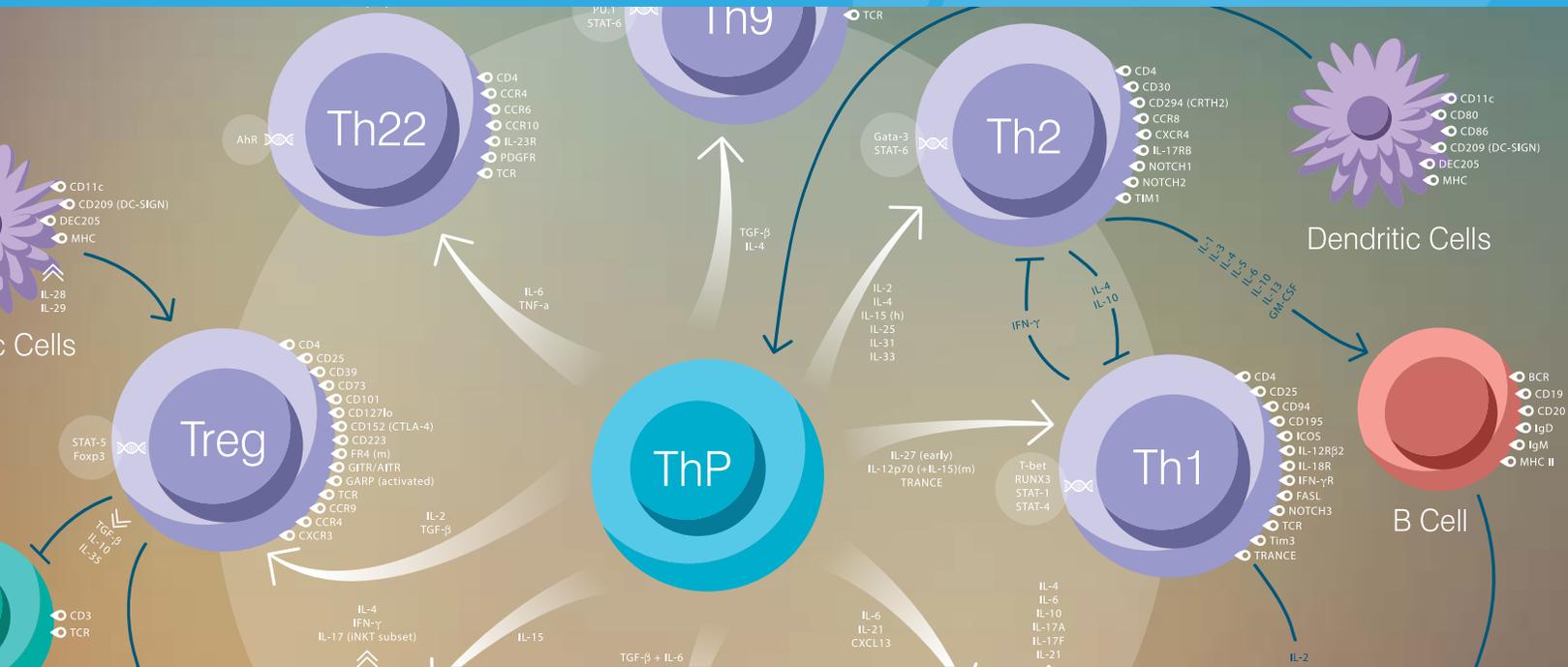


# Recombinant Proteins



**RPx-Pro™ Recombinant Proteins** are a powerful research tool that can be employed within the cell analysis workflow - for cell culture, proliferation, migration, differentiation and other studies.

Tonbo Biosciences offers a newly expanded comprehensive suite of human and mouse chemokines, cytokines, growth factors and other proteins. All recombinants are lyophilized and come carrier-free for flexibility in your in vitro or in vivo bioassays.

## **Interleukins & Related Cytokines**

Cytokines are a broad group of signaling proteins that are secreted by specific immune system cells and play roles in immunity, inflammation and hematopoiesis. Interleukins are a type of cytokine that act as mediators between leukocytes. They are grouped into several families based on structure and function. Interleukins exert complex immunomodulatory functions that include proliferation, migration, adhesion, differentiation, activation and maturation. While interferons (IFNs) are included in the IL-6 family, they are generally considered to mediate cellular response to viral challenge.

Other non-interleukin signaling cytokines include monokines, produced by mononuclear phagocytic cells and lymphokines, produced by activated lymphocytes. Members of these groups regulate both innate and adaptive immune responses, along with other non-immune cell responses, via intercellular signaling networks.

## **Chemokines**

Chemokines are a specialized class of soluble factors mainly active in inflammatory processes. They are chemoattractants that exert their activity through recruitment, migration and trafficking of cells bearing chemokine receptors into areas of inflammatory loci. Chemokines are involved in normal pathways of inflammatory responses as well as in pathological inflammatory responses of autoimmune diseases. They are also important for immune system homeostasis and development.

The Chemokine Superfamily is made up of 4 classes based on the arrangement of the conserved cysteine (C) residues found in the mature protein: C (gamma), CC (beta), CXC and CX3C (delta) chemokine groups. These proteins act through G protein-coupled receptors and have structures that conform to the four cross-linked cysteine residues.

TNF Superfamily

The TNF Superfamily consists of ligands, receptors and regulators. Ligand members share a variety of common features including a homologous

extracellular motif, the TNF homology domain (THD). TNF Superfamily ligands are generally type II transmembrane proteins that become soluble upon cleavage of the extracellular region, although most soluble forms show reduced signaling activity. Ligands bind to TNF Superfamily receptors (TNFR) which are mostly type I transmembrane glycoproteins. Some TNFR contain death domains that initiate caspase activation upon binding. TNF Superfamily members are known to function in various processes including apoptosis, proliferation, and immune cell regulation.

## **TGF-beta Superfamily**

The TGF-beta Superfamily is comprised of several smaller families (Activin, BMP, GDF, GDNF, Smad and TGF-beta ) of structurally related regulatory proteins. Mature, active forms of these proteins are generally present as homodimers, but heterodimers may also occur. TGF-beta Superfamily members usually interact with type I and II serine/threonine-specific protein kinase receptors at the cell surface and activate Smad signaling pathways. Non-Smad signaling can also occur through activation of other molecules such as Akt, MAPK, mTOR and Src. Members of the TGF-beta Superfamily play diverse roles during growth, development, differentiation and tissue homeostasis. Certain members have been classified as morphogens, as their effects were found to be a function of concentration.

## **Growth, Differentiation & Stem Cell Factors**

Proteins in this grouping can be considered as biochemical messengers. They are secreted by a number of different cell types and exhibit diverse biological effects via intercellular communication during proliferation, differentiation, morphogenesis and angiogenesis. Some have direct or indirect activities on stem cell differentiation and development.

Growth and differentiation factors are secreted cytokines that generally act locally to stimulate cell growth, differentiation and survival through endocrine, paracrine or autocrine mechanisms. Stem cell factors are often transcription factors

and exert function on stem cells including neural, hematopoietic, mesenchymal and pluripotent cell types. Proteins in this group include members of the EGF, FGF, IGF, Hedgehog, PDGF, VEGF and Wnt families.

### **Neurotrophic Factors**

Neurotrophic factors, as the name suggests, support the growth, survival and maintenance of neurons. They are a varied group of proteins that play important roles in nervous system development and, later, homeostasis. Some neurotrophic factors may also function in regulating neuronal activity, and possibly contribute to regeneration of damaged neurons after injury.

Within this group, the Neurotrophins are a small family of secreted proteins that regulate neuron survival, development and function. They are synthesized as pre-propeptides that are proteolytically cleaved, giving rise to active propeptides and mature homodimers. The mature forms of most neurotrophins show high homology between species. Neurotrophins signal through two receptor types, the Trk family of receptor tyrosine kinases and p75NTR, a TNF receptor superfamily member.

### **Other Proteins**

These products include Proteases, Immunoglobulin Superfamily CAMs, Toll-Like Receptors and other proteins not easily categorized into larger family groups.

Immunoglobulin Superfamily CAMs (cell adhesion molecules) are calcium-independent transmembrane glycoproteins that have several Ig-like motifs within their extracellular domain. These proteins will generally bind to integrins or other Ig superfamily CAM members. This superfamily includes ICAMs, VCAM-1, PECAM-1 and NCAM, among others.

Matrix Metalloproteinases (MMPs) belong to a larger family of proteases called the Metzincin Superfamily. MMPs are zinc-dependent endopeptidases, generally secreted, that function to break down components of the extracellular matrix (ECM).

The Toll-Like Receptors (TLRs) recognized conserved structural motifs called pathogen-associated molecular patterns (PAMPs). TLRs are type I transmembrane proteins expressed by a wide variety of cell types and play a key role in the innate immune response.



# Description

# VWR Catalog Number

Recombinant Human 4-1BB Ligand (Carrier-free)	10821-028 / 10821-030 / 10821-032 / 10821-034
Recombinant Human/Mouse/Rat Activin A (Carrier-free)	10273-314 / 10273-326 / 10273-328 / 10002-188
Recombinant Human Activin B (Carrier-free)	10820-654 / 10820-656 / 10820-658 / 10820-660
Recombinant Human Amphiregulin (Carrier-free)	10820-662 / 10820-664 / 10820-666 / 10820-668
Recombinant Human sAPO-1/Fas (Carrier-free)	10274 -000 / 10274-002 / 10002-422
Recombinant Human APRIL (Carrier-free)	10208-088 / 10208-090
Recombinant Human Artemin (Carrier-free)	10820-670 / 10820-672 / 10820-674 / 10820-676
Recombinant Human BAFF (Carrier-free)	10208-068 / 10208-070 / 10002-662 / 10002-664 / 10002-666
Recombinant Human BAFF Receptor (Carrier-free)	10821-036 / 10821-038 / 10821-040 / 10821-042
Recombinant Human BCMA (Carrier-free)	10821-044 / 10821-046 / 10821-048 / 10821-050
Recombinant Human BDNF (Carrier-free)	10273-330 / 10273-332 / 10273-334 / 10002-488
Recombinant Human Betacellulin (Carrier-free)	10273-336 / 10273-338 / 10273-340 / 10002-118
Recombinant Human BMP-2 (Carrier-free)	10273-360 / 10273-362 / 10002-146
Recombinant Human BMP-4 (Carrier-free)	10273-370 / 10273-372 / 10273-374 / 10002-122
Recombinant Human BMP-5 (Carrier-free)	10273-376 / 10273-378 / 10273-380 / 10002-124
Recombinant Human BMP-6 (Carrier-free)	10273-382 / 10273-384 / 10273-386 / 10002-126
Recombinant Human BMP-7 (Carrier-free)	10273-388 / 10273-390 / 10273-392 / 10002-128
Recombinant Human BMP-10 (Carrier-free)	10273-354 / 10273-365 / 10273-358 / 10002-130
Recombinant Human C1 Inhibitor (Carrier-free)	10821-052 / 10821-054 / 10821-056 / 10821-058
Recombinant Human C5a (Carrier-free)	10821-060 / 10821-062 / 10821-064 / 10821-066
Recombinant Human Cardiotrophin-1 (Carrier-free)	10273-406 / 10273-408 / 10273-410 / 10002-136
Recombinant Human CCL1 (I-309) (Carrier-free)	10208-194 / 10208-196 / 10208-198 / 10002-674
Recombinant Human CCL2 (MCP-1) (Carrier-free)	10208-210 / 10208-212 / 10208-214 / 10002-682
Recombinant Human CCL3 (MIP -1 alpha) (Carrier-free)	10210-136 / 10210-138 / 10210-140 / 10002-610
Recombinant Human CCL4 (MIP-1 beta) (Carrier-free)	10820-678 / 10820-680 / 10820-682 / 10820-684
Recombinant Human CCL5 (RANTES) (Carrier-free)	10208-334 / 10208-336 / 10208-338 / 10002-184
Recombinant Human CCL7 (MCP-3) (Carrier-free)	10208-580 / 10208-582 / 10208-584 / 10002-690
Recombinant Human CCL8 (MCP-2) (Carrier-free)	10208-302 / 10208-304 / 10208-306
Recombinant Human CCL11 (Eotaxin) (Carrier-free)	10273-424 / 10273-426 / 10273-428 / 10002-368
Recombinant Human CCL13 (MCP-4) (Carrier-free)	10273-436 / 10273-438 / 10273-440 / 10002-372
Recombinant Human CCL14 (HCC-1) (66 a.a.) (Carrier-free)	10273-442 / 10273-444 / 10273-446 / 10002-516
Recombinant Human CCL17 (TARC) (Carrier-free)	10208-222 / 10208-570 / 10208-572 / 10002-686
Recombinant Human CCL19 (MIP-3 beta) (Carrier-free)	10208-232 / 10208-234 / 10208-236 / 10002-432
Recombinant Human CCL20 (MIP-3 alpha) (Carrier-free)	10208-592 / 10208-594 / 10208-596 / 10002-694
Recombinant Human CCL21 (Exodus-2) (Carrier-free)	10273-454 / 10273-456 / 10273-458 / 10002-430
Recombinant Human CCL22 (MDC) (69 a.a.) (Carrier-free)	10273-466 / 10273-468 / 10273-470 / 10002-522
Recombinant Human CCL24 (Eotaxin-2) (Carrier-free)	10273-478 / 10273-480 / 10273-482 / 10002-526
Recombinant Human CCL25 (TECK) (Carrier-free)	10208-256 / 10208-258 / 10208-260 / 10002-440
Recombinant Human CCL26 (Eotaxin-3) (Carrier-free)	10273-620 / 10273-622 / 10273-624 / 10002-528
Recombinant Human CCL27 (CTACK) (Carrier-free)	10273-626 / 10273-484 / 10273-486 / 10002-530
Recombinant Human CCL28 (MEC) (Carrier-free)	10273-494 / 10273-496 / 10273-498 / 10002-534
Recombinant Human sCD22 (Siglec-2) (Carrier-free)	10821-068 / 10821-070 / 10821-072 / 10821-084
Recombinant Human sCD23 (FceRII) (Carrier-free)	10821-076 / 10821-078 / 10821-080 / 10821-082
Recombinant Human sCD27 Ligand (Carrier-free)	10821-084 / 10821-086 / 10821-088 / 10821-090
Recombinant Human sCD30 Ligand (Carrier-free)	10821-092 / 10821-094 / 10821-096 / 10821-098
Recombinant Human sCD100 (Sema4D) (Carrier-free)	10821-100 / 10821-102 / 10821-104 / 10821-106
Recombinant Human CDFN (Carrier-free)	10820-694 / 10820-696 / 10820-698 / 10820-700

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Recombinant Human Chemerin (Carrier-free)	10821-108 / 10821-110 / 10821-112 / 10821-114
Recombinant Human CNTF (Carrier-free)	10273-516 / 10273-542 / 10273-544 / 10002-536
Recombinant Human CTGF (Carrier-free)	10273-546 / 10273-548 / 10273-550 / 10002-262
Recombinant Human CX3CL1 (Fractalkine) (Carrier-free)	10208-250 / 10208-252 / 10002-438 / 10208-254
Recombinant Human CXCL1 (GRO/MGSA) (Carrier-free)	10273-552 / 10273-554 / 10273-556 / 10002-538
Recombinant Human CXCL2 (GRO-beta) (Carrier-free)	10273-612 / 10753-726 / 10273-616 / 10002-542
Recombinant Human CXCL3 (GRO-gamma) (Carrier-free)	10273-688 / 10753-728 / 10273-692 / 10002-546
Recombinant Human CXCL4 (PF-4) (Carrier-free)	10273-700 / 10273-702 / 10273-704 / 10002-376
Recombinant Human CXCL5 (ENA-78) (5-78 a.a.) (Carrier-free)	10273-706 / 10273-708 / 10273-710 / 10002-378
Recombinant Human CXCL6 (GCP2) (Carrier-free)	10208-262 / 10208-264 / 10208-266 / 10002-442
Recombinant Human CXCL7 (NAP-2) (Carrier-free)	10273-712 / 10753-730 / 10273-716 / 10002-380
Recombinant Human CXCL9 (MIG) (Carrier-free)	10208-556 / 10208-558 / 10208-560 / 10002-448
Recombinant Human CXCL10 (IP-10) (Carrier-free)	10208-602 / 10208-604 / 10208-606 / 10002-460
Recombinant Human CXCL11 (I-TAC)	10273-570 / 10753-732 / 10273-574 / 10002-384
Recombinant Human CXCL12 (SDF-1 alpha) (Carrier-free)	10208-116 / 10208-118 / 10208-192 / 10002-672
Recombinant Human CXCL12 (SDF-1 beta) (Carrier-free)	10273-582 / 10273-584 / 10273-586 / 10002-388
Recombinant Human CXCL13 (BCA-1) (Carrier-free)	10273-588 / 10273-590 / 10273-592 / 10002-548
Recombinant Human CXCL14 (BRAK) (Carrier-free)	10273-600 / 10273-602 / 10273-604 / 10002-552
Recombinant Human CXCL16 (Carrier-free)	10273-606 / 10273-608 / 10273-610 / 10002-554
Recombinant Human DKK-1 (Carrier-free)	10820-702 / 10820-704 / 10820-706 / 10820-714
Recombinant Human DKK-2 (Carrier-free)	10820-716 / 10820-718 / 10820-720 / 10820-722
Recombinant Human DKK-3 (Carrier-free)	10820-724 / 10820-726 / 10820-728 / 10820-730
Recombinant Human EGF (Carrier-free)	10208-650 / 10208-652 / 10002-482
Recombinant Human EGFR (Carrier-free)	10820-732 / 10820-734 / 10820-736 / 10820-738
Recombinant Human Epiregulin (Carrier-free)	10273-724 / 10273-726 / 10273-728 / 10002-556
Recombinant Human EPO (Carrier-free)	10273-718 / 10273-720
Recombinant Human sFas Ligand (Carrier-free)	10273-730 / 10273-732 / 10273-734 / 10002-558
Recombinant Human FGF-acidic (Carrier-free)	10273-742 / 10273-744 / 10273-746 / 10002-560
Recombinant Human FGF-basic (146 a.a.) (Carrier-free)	10273-348 / 10273-350 / 10273-352 / 10002-186
Recombinant Human FGF-4 (Carrier-free)	10273-754 / 10273-756 / 10273-758 / 10002-564
Recombinant Human FGF-6 (Carrier-free)	10273-760 / 10273-762 / 10273-764 / 10002-566
Recombinant Human FGF-8 (Carrier-free)	10273-766 / 10273-768 / 10273-770 / 10002-568
Recombinant Human FGF-9 (Carrier-free)	10273-772 / 10753-734 / 10273-776 / 10002-570
Recombinant Human FGF-10 (Carrier-free)	10273-736 / 10273-738 / 10273-740 / 10002-572
Recombinant Human FGF-21 (Carrier-free)	10273-748 / 10273-750 / 10273-752 / 10002-574
Recombinant Human FGFR1a (IIIc) Fc (Carrier-free)	10820-740 / 10820-742 / 10820-744 / 10820-746
Recombinant Human FGFR2a (IIIc) Fc (Carrier-free)	10820-748 / 10820-750 / 10820-752 / 10820-754
Recombinant Human FLT3 Ligand (Carrier-free)	10208-310 / 10208-312 / 10208-308 / 10002-150
Recombinant Human Furin (Carrier-free)	10820-756 / 10820-758 / 10820-760 / 10820-762
Recombinant Human Galectin-1 (Carrier-free)	10273-778 / 10273-780 / 10273-782 / 10002-576
Recombinant Human Galectin-3 (Carrier-free)	10273-784 / 10273-786 / 10273-788 / 10002-578
Recombinant Human GASP-1 (Carrier-free)	10273-790 / 10273-792 / 10273-794 / 10002-580
Recombinant Human G-CSF (Carrier-free)	10208-274 / 10208-276 / 10002-452 / 10002-454
Recombinant Human GDF-3 (Carrier-free)	10273-796 / 10273-798 / 10273-800 / 10002-582
Recombinant Human GDNF (Carrier-free)	10273-802 / 10273-804 / 10273-806 / 10002-144
Recombinant Human GITRL (Carrier-free)	10821-116 / 10821-118 / 10821-120 / 10821-122
Recombinant Human GM-CSF (Carrier-free)	10208-634 / 10208-636 / 10208-638 / 10002-476

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Recombinant Human GMF-beta (Carrier-free)	10820-764 / 10820-766 / 10820-768 / 10820-796
Recombinant Human Gremlin-1 (Carrier-free)	10273-808 / 10273-810 / 10273-812 / 10002-584
Recombinant Human Growth Hormone (Carrier-free)	10821-124 / 10821-126 / 10821-128 / 10821-130
Recombinant Human HB-EGF (Carrier-free)	10273-814 / 10273-816 / 10273-818 / 10002-586
Recombinant Human Heregulin beta-1 (Carrier-free)	10273-820 / 10273-822 / 10273-824 / 10002-588
Recombinant Human HGF (Carrier-free)	10273-826 / 10273-828 / 10273-830 / 10002-500
Recombinant Human HVEM-Fc (Carrier-free)	10273-838 / 10273-840 / 10273-842 / 10002-590
Recombinant Human ICAM-1 (Carrier-free)	10273-844 / 10273-846 / 10273-848 / 10002-592
Recombinant Human IFN-beta (Carrier-free)	10273-850 / 10273-852 / 10273-854 / 10002-170
Recombinant Human IFN-gamma (Carrier-free)	10208-608 / 10208-610 / 10208-612 / 10002-462
Recombinant Human IFN-omega (Carrier-free)	10273-862 / 10273-864 / 10273-866 / 10002-594
Recombinant Human IGF-BP1 (Carrier-free)	10273-868 / 10273-870 / 10273-872 / 10002-390
Recombinant Human IGF-BP6 (Carrier-free)	10273-874 / 10273-876 / 10273-878 / 10002-392
Recombinant Human IGF-I (Carrier-free)	10753-736 / 10273-882 / 10002-394
Recombinant Human IGF-II (Carrier-free)	10273-636 / 10273-638 / 10273-640 / 10002-396
Recombinant Human IL-1 alpha (Carrier-free)	10210-156 / 10210-158 / 10002-620 / 10821-216
Recombinant Human IL-1 beta (Carrier-free)	10210-150 / 1210-152 / 10210-154 / 10002-618
Recombinant Human IL-1RA (Carrier-free)	10273-642 / 10273-644 / 10273-646 / 10002-398
Recombinant Human IL-2 (Carrier-free)	10210-166 / 10210-168 / 10210-170 / 10002-624
Recombinant Human sIL-2R alpha (sCD25) (Carrier-free)	10830-246 / 10830-248 / 10830-250 / 10830-252
Recombinant Human IL-3 (Carrier-free)	10210-178 / 10210-180 / 10002-628
Recombinant Human IL-4 (Carrier-free)	10210-188 / 10210-190 / 10210-192 / 10002-632
Recombinant Human sIL-4R alpha (Carrier-free)	10821-132 / 10821-134 / 10821-136 / 10821-138
Recombinant Human IL-5 (Carrier-free)	10210-200 / 10210-202 / 10002-636 / 10002-638
Recombinant Human IL-6 (Carrier-free)	10210-208 / 10208-056 / 10208-060 / 10002-642
Recombinant Human sIL-6R alpha (Carrier-free)	10820-798 / 10820-800 / 10820-802 / 10820-804
Recombinant Human IL-7 (Carrier-free)	10273-886 / 10273-888 / 10002-646
Recombinant Human IL-8 (CXCL8) (Carrier-free)	10273-890 / 10273-892 / 10002-648
Recombinant Human IL-9 (Carrier-free)	10273-894 / 10273-896 / 10273-898 / 10002-180
Recombinant Human IL-10 (Carrier-free)	10208-078 / 10208-080 / 10208-082 / 10002-652
Recombinant Human IL-12 p70 (Carrier-free)	10208-098 / 10208-100 / 10002-658
Recombinant Human IL-12/IL-23 p40 (Carrier-free)	10821-140 / 10821-142 / 10821-144 / 10821-146
Recombinant Human IL-13 (Carrier-free)	10208-104 / 10208-106 / 10208-108 / 10002-668
Recombinant Human IL-13 Variant (Carrier-free)	10821-148 / 10821-150 / 10821-152 / 10821-154
Recombinant Human IL-15 (Carrier-free)	10208-566 / 10208-568 / 10208-208 / 10002-680
Recombinant Human IL-16 (121 a.a.) (Carrier-free)	10821-156 / 10821-158 / 10821-160 / 10821-162
Recombinant Human IL-17A (Carrier-free)	10208-574 / 10208-576 / 10208-578 / 10002-688
Recombinant Human IL-17E (IL-25) (Carrier-free)	10273-648 / 10273-650 / 10273-652 / 10002-174
Recombinant Human IL-17F (Carrier-free)	10208-296 / 10208-298 / 10208-300 / 10002-142
Recombinant Human IL-20 (Carrier-free)	10820-940 / 10820-942 / 10820-944 / 10820-946
Recombinant Human IL-21 (Carrier-free)	10208-238 / 10208-240 / 10208-242 / 10002-434
Recombinant Human IL-23 (Carrier-free)	10208-620 / 10208-622 / 10208-624 / 10002-466
Recombinant Human IL-24 (Carrier-free)	10820-948 / 10820-950 / 10820-952 / 10820-954
Recombinant Human IL-27 (Carrier-free)	10273-654 / 10273-656
Recombinant Human IL-28A (IFN-lambda 2) (Carrier-free)	10273-660 / 10273-662 / 10273-664 / 10002-486
Recombinant Human IL-29/IFN-lambda1 (Carrier-free)	10273-856 / 10273-858 / 10273-860 / 10002-446
Recombinant Human IL-33 (Carrier-free)	10208-292 / 10208-294 / 10002-474 / 10821-222

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Recombinant Human IL-34 (Carrier-free)	10273-670 / 10273-672 / 10273-674 / 10002-162
Recombinant Human IL-35 (Carrier-free)	10821-164 / 10821-166
Recombinant Human IL-36 gamma (IL-1F9) (Carrier-free)	10273-676 / 10273-678 / 10002-494
Recombinant Human IL-36RA (Carrier-free)	10273-680 / 10273-682 / 10273-884 / 10002-496
Recombinant Human IL-36 beta (IL-1F8) (Carrier-free)	10830-232 / 10830-234 / 10830-236
Recombinant Human INSL5/INSL7 Hybrid (Carrier-free)	10820-806 / 10820-808 / 10820-810 / 10820-812
Recombinant Human KGF (FGF-7) (Carrier-free)	10273-906 / 10273-908 / 10273-910 / 10002-172
Recombinant Human LIF (Carrier-free)	10273-912 / 10273-914 / 10273-916 / 10002-502
Recombinant Human LIGHT (Carrier-free)	10821-168 / 10821-170
Recombinant Human MANF (Carrier-free)	10820-814 / 10820-816 / 10820-818 / 10820-820
Recombinant Human M-CSF (Carrier-free)	10208-326 / 10830-252 / 10002-176
Recombinant Human Midkine (Carrier-free)	10820-822 / 10820-824 / 10820-826 / 10820-972
Recombinant Human MIF (Carrier-free)	10273-924 / 10273-926 / 10273-928 / 10002-258
Recombinant Human MMP-2 (Carrier-free)	10273-930 / 10273-932 / 10273-934 / 10002-402
Recombinant Human MMP-3 (Carrier-free)	10273-936 / 10273-938 / 10273-940 / 10002-404
Recombinant Human Nesfatin-1 (Carrier-free)	10820-830 / 10820-832 / 10820-834 / 10820-980
Recombinant Human Neuritin (Carrier-free)	10820-982 / 10820-984 / 10820-986 / 10820-988
Recombinant Human Neuroserpin (Carrier-free)	10820-998 / 10821-000 / 10821-002 / 10820-836
Recombinant Human Neurturin (Carrier-free)	10820-838 / 10820-840 / 10820-842 / 10820-844
Recombinant Human beta-NGF (Carrier-free)	10273-394 / 10273-396 / 10273-398 / 10002-132
Recombinant Human NNT-1 (BCSF-3) (Carrier-free)	10273-942 / 10273-944 / 10273-946 / 10002-406
Recombinant Human Noggin (Carrier-free)	10273-954 / 10273-956 / 10273-958 / 10002-408
Recombinant Human NT-3 (Carrier-free)	10273-960 / 10273-962 / 10273-964 / 10002-410
Recombinant Human NT-4 (Carrier-free)	10273-966 / 10273-968 / 10273-970 / 10002-412
Recombinant Human Oncostatin-M (Carrier-free)	10273-972 / 10273-974 / 10273-976 / 10002-414
Recombinant Human sOX40 Ligand (CD252) (Carrier-free)	10821-180 / 10821-182 / 10821-184 / 10821-186
Recombinant Human PDGF-AA (Carrier-free)	10273-978 / 10273-980 / 10273-972 / 10002-416
Recombinant Human PDGF-AB (Carrier-free)	10820-846 / 10820-848 / 10820-850 / 10820-852
Recombinant Human PDGF-BB (Carrier-free)	1273-984 / 10273-986 / 10002-260
Recombinant Human PDGF-CC (Carrier-free)	10820-860 / 10820-862 / 10820-864 / 10820-866
Recombinant Human Persephin (Carrier-free)	10820-868 / 10820-870 / 10820-872 / 10820-874
Recombinant Human Pleiotrophin (Carrier-free)	10820-876 / 10820-878 / 10820-880 / 10820-882
Recombinant Human PIGF-1 (Carrier-free)	10273-994 / 10273-996 / 10273-998 / 10002-420
Recombinant Human Prolactin (Carrier-free)	10820-884 / 10820-886 / 10820-888 / 10820-890
Recombinant Human Relaxin-3 (INSL7) (Carrier-free)	10820-924 / 10820-926 / 10820-928 / 10820-930
Recombinant Human R-Spondin 1 (Carrier-free)	10820-900 / 10820-902 / 10820-904 / 10820-906
Recombinant Human R-Spondin 2 (Carrier-free)	10820-908 / 10820-910 / 10820-912 / 10820-914
Recombinant Human R-Spondin 3 (Carrier-free)	10820-916 / 10820-918 / 10820-920 / 10820-922
Recombinant Human Serpin F1 (PEDF) (Carrier-free)	10820-932 / 10820-934 / 10820-936 / 10820-938
Recombinant Human Slit2-N (Carrier-free)	10821-004 / 10821-006 / 10821-008 / 10821-010
Recombinant Human Sonic Hedgehog (Carrier-free)	10274-004 / 10274-006
Recombinant Human TACI (Carrier-free)	10821-188 / 10821-190 / 10821-192 / 10821-194
Recombinant Human TAFA-2 (Carrier-free)	10821-012 / 10821-014 / 10821-016 / 10821-018
Recombinant Human TGF-alpha (Carrier-free)	10274-022 / 10274-024 / 10274-026 / 10002-168
Recombinant Human TGF-beta 1 (Carrier-free)	10208-658 / 10208-660 / 10208-662 / 10002-490
Recombinant Human TGF-beta 2 (Carrier-free)	10274-028 / 10273-518 / 10273-520 / 10002-506
Recombinant Human TGF-beta 3 (Carrier-free)	10208-664 / 10208-666 / 10002-492

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Recombinant Human Thrombopoietin (TPO) (Carrier-free)	10273-528 / 10273-530 / 10273-532 / 10002-164
Recombinant Human TIMP-1 (Carrier-free)	10273-534 / 10273-536 / 10273-538 / 10002-426
Recombinant Human TIMP-2 (Carrier-free)	10273-540 / 10274-030 / 10002-428
Recombinant Human TLR-3 (Carrier-free)	10274-032 / 10274-034 / 10274-036 / 10002-596
Recombinant Human TNF-alpha (Carrier-free)	10208-626 / 10208-628 / 10208-630 / 10002-468
Recombinant Human TNF-beta (LT-alpha) (Carrier-free)	10273-918 / 10273-920 / 10273-922 / 10002-400
Recombinant Human sTNF Receptor Type I (Carrier-free)	10821-020 / 10821-022 / 10821-024 / 10821-026
Recombinant Human sTNF Receptor Type II (Carrier-free)	10274-016 / 10274-018 / 10274-020 / 10002-424
Recombinant Human sTRAIL Receptor 1 (Carrier-free)	10821-196 / 10821-198 / 10821-200 / 10821-202
Recombinant Human sTRAIL Receptor 2 (Carrier-free)	10821-204 / 10821-206 / 10821-208 / 10821-210
Recombinant Human TRANCE (sRANKL) (Carrier-free)	10208-322 / 10208-324 / 10002-148 / 10002-160
Recombinant Human TSLP (Carrier-free)	10274-044 / 10274-046 / 10002-256
Recombinant Human TWEAK (CD255) (Carrier-free)	10274-048 / 10274-050 / 10274-052 / 10002-598
Recombinant Human VAP-1 (Carrier-free)	10274-054 / 10274-056 / 10274-058 / 10002-600
Recombinant Human VCAM-1 (Carrier-free)	10274-060 / 10274-062 / 10274-064 / 10002-602
Recombinant Human VEGF-121 (Carrier-free)	10753-738 / 10208-314 / 10821-226
Recombinant Human VEGF-165 (Carrier-free)	10753-740 / 10208-316 / 10002-152 / 10821-228
Recombinant Human Visfatin (Carrier-free)	10274-066 / 10274-068 / 10274-070 / 10002-604
Recombinant Human WNT-7A (Carrier-free)	10274-078 / 10274-080
Recombinant Mouse APRIL (Carrier-free)	10208-092 / 10208-094 / 10208-096 / 10002-656
Recombinant Mouse BMP-4 (Carrier-free)	10273-364 / 10273-366 / 10273-368 / 10002-120
Recombinant Mouse Cardiotrophin-1 (Carrier-free)	10273-412 / 10273-414 / 10273-416 / 10002-138
Recombinant Mouse CCL2 (MCP-1) (Carrier-free)	10208-200 / 10208-2002 / 10208-204 / 10002-676
Recombinant Mouse CCL3 (MIP-1 alpha) (Carrier-free)	10210-126 / 10210-128 / 10210-130 / 10002-606
Recombinant Mouse CCL4 (MIP-1 alpha) (Carrier-free)	10820-686 / 10820-688 / 10820-690 / 10820-692
Recombinant Mouse CCL5 (RANTES) (Carrier-free)	10208-328 / 10208-330 / 10208-332 / 10002-182
Recombinant Mouse CCL7 (MCP-3) (Carrier-free)	10273-628 / 10273-630 / 10273-632 / 10002-140
Recombinant Mouse CCL8 (MCP-2) (Carrier-free)	10273-634 / 10273-500 / 10273-502 / 10002-512
Recombinant Mouse CCL9/CCL10 (MIP-1gamma) (Carrier-free)	10273-604 / 10273-507 / 10273-508 / 10002-514
Recombinant Mouse CCL11 (Eotaxin) (Carrier-free)	10273-418 / 10273-420 / 10273-422 / 10002-366
Recombinant Mouse CCL12 (MCP-5) (Carrier-free)	10273-430 / 10273-432 / 10273-434 / 10002-370
Recombinant Mouse CCL19 (MIP-3 beta) (Carrier-free)	102080-226 / 10208-228 / 10208-230 / 10002-254
Recombinant Mouse CCL20 (MIP-3 alpha) (Carrier-free)	10208-586 / 10208-588 / 10208-590 / 10002-692
Recombinant Mouse CCL21 (Exodus-2) (Carrier-free)	10273-448 / 10273-450 / 10273-452 / 10002-518
Recombinant Mouse CCL22 (MDC) (Carrier-free)	10273-460 / 10273-462 / 10273-464 / 10002-520
Recombinant Mouse CCL24 (Eotaxin-2) (Carrier-free)	10273-472 / 10273-474 / 10273-476 / 10002-524
Recombinant Mouse CCL28 (MEC) (Carrier-free)	10273-488 / 10273-490 / 10273-492 / 10002-532
Recombinant Mouse sCD40 Ligand (Carrier-free)	10273-510 / 10273-512 / 10273-514 / 10002-148
Recombinant Mouse CXCL1 (KC) (Carrier-free)	10273-558 / 10273-560 / 10273-562 / 10002-540
Recombinant Mouse CXCL2 (MIP-2) (Carrier-free)	10273-618 / 10273-684 / 10273-686 / 10002-544
Recombinant Mouse CXCL4 (PF-4) (Carrier-free)	10273-694 / 10273-696 / 10273-698 / 10002-374
Recombinant Mouse CXCL9 (MIG) (Carrier-free)	10208-550 / 10208-552 / 10208-554 / 10002-444
Recombinant Mouse CXCL10 (IP-10) (Carrier-free)	10208-278 / 10208-290 / 10002-456 / 10821-220
Recombinant Mouse CXCL11 (I-TAC) (Carrier-free)	10273-564 / 10273-566 / 10273-568 / 10002-382
Recombinant Mouse CXCL12 (SDF-1 alpha) (Carrier-free)	10208-110 / 10208-112 / 10208-11 / 10002-670
Recombinant Mouse CXCL12 (SDF-1 beta) (Carrier-free)	10273-576 / 10273-578 / 10273-580 / 10002-386
Recombinant Mouse CXCL13 (BCA-1/BLC) (Carrier-free)	10273-594 / 10273-596 / 10273-598 / 10002-550

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Recombinant Mouse EGF (Carrier-free)	10208-654 / 10208-656 / 10002-484
Recombinant Mouse FGF-basic (Carrier-free)	10273-342 / 10273-344 / 10273-346 / 10002-562
Recombinant Mouse FLT3 Ligand (Carrier-free)	102010-132 / 10210-134 / 10002-608
Recombinant Mouse G-CSF (Carrier-free)	10208-268 / 10208-270 / 10208-272 / 10002-450
Recombinant Mouse GDNF (Carrier-free)	10830-238 / 10830-240 / 10830-242 / 10830-244
Recombinant Mouse GM-CSF (Carrier-free)	10208-632 / 10208-288 / 10208-290 / 10002-470
Recombinant Mouse HGF (Carrier-free)	10273-832 / 10273-834 / 10273-836 / 10002-498
Recombinant Mouse IFN-gamma (Carrier-free)	10208-282 / 10208-284 / 10208-286 / 10002-458
Recombinant Mouse IL-1 alpha (Carrier-free)	10210-142 / 10210-144 / 10002-614 / 10821-212
Recombinant Mouse IL-1 beta (Carrier-free)	10210-146 / 10210-148 / 10002-616 / 10821-214
Recombinant Mouse IL-2 (Carrier-free)	10210-160 / 10210-162 / 10210-164 / 10002-622
Recombinant Mouse IL-3 (Carrier-free)	10210-172 / 10210-174 / 10210-176 / 10002-626
Recombinant Mouse IL-4 (Carrier-free)	10210-182 / 10210-184 / 10210-186 / 10002-630
Recombinant Mouse IL-5 (Carrier-free)	10210-194 / 10210-196 / 10210-198 / 10002-634
Recombinant Mouse IL-6 (Carrier-free)	10210-204 / 10210-206 / 10002-640
Recombinant Mouse IL-7 (Carrier-free)	10208-060 / 10208-062 / 10208-072 / 10002-644
Recombinant Mouse IL-9 (Carrier-free)	10273-900 / 10273-902 / 10273-904 / 10002-178
Recombinant Mouse IL-10 (Carrier-free)	10208-074 / 10208-076 / 10002-650 / 10821-218
Recombinant Mouse IL-12 p70 (Carrier-free)	10208-084 / 10208-086 / 10002-654
Recombinant Mouse IL-13 (Carrier-free)	10208-102 / 10208-064 / 10208-066 / 10002-660
Recombinant Mouse IL-15 (Carrier-free)	10208-206 / 10208-562 / 10208-564 / 10002-678
Recombinant Mouse IL-17A (Carrier-free)	10208-216 / 10208-218 / 10208-220 / 10002-684
Recombinant Mouse IL-17F (Carrier-free)	10208-668 / 10208-670 / 10208-672 / 10002-504
Recombinant Mouse IL-21 (Carrier-free)	10208-598 / 10208-600 / 10208-224 / 10002-252
Recombinant Mouse IL-22 (Carrier-free)	10208-244 / 10208-246 / 10208-248 / 10002-436
Recombinant Mouse IL-33 (Carrier-free)	10273-666 / 10273-668 / 10002-472
Recombinant Mouse LIGHT (Carrier-free)	10821-172 / 10821-174 / 10821-176 / 10821-178
Recombinant Mouse M-CSF (Carrier-free)	10821-232 / 10821-234
Recombinant Mouse Midkine (Carrier-free)	10820-974 / 10820-976 / 10820-978 / 10820-828
Recombinant Mouse Neuropeptin (Carrier-free)	10820-990 / 10820-992 / 10820-994 / 10820-996
Recombinant Mouse beta-NGF (Carrier-free)	10273-400 / 10273-402 / 10273-404 / 10002-134
Recombinant Mouse Noggin (Carrier-free)	10273-948 / 10273-950 / 10273-952 / 10002-612
Recombinant Mouse PDGF-AA (Carrier-free)	10830-254 / 10830-282 / 10830-284 / 10830-286
Recombinant Mouse PDGF-BB (Carrier-free)	10820-854 / 10820-856 / 10820-858
Recombinant Mouse Persephin (Carrier-free)	10273-988 / 10273-990 - 10273-992 / 10002-418
Recombinant Mouse Prolactin (Carrier-free)	10820-892 / 10820-894 / 10820-896 / 10820-898
Recombinant Mouse Sonic Hedgehog (Carrier-free)	10274-010 / 10274-012
Recombinant Mouse Stem Cell Factor (Carrier-free)	10208-640 / 10208-642 / 10208-644 / 10002-478
Recombinant Mouse Thrombopoietin (TPO) (Carrier-free)	10273-522 / 10273-524 / 10273-526 / 10002-166
Recombinant Mouse TNF-alpha (Carrier-free)	10208-614 / 10208-616 / 10208-618 / 10002-464
Recombinant Mouse TRANCE (sRANKL) (Carrier-free)	10208-318 / 10208-320 / 10002-154 / 10002-156
Recombinant Mouse VEGF-165 (Carrier-free)	10208-646 / 10208-648 / 10002-480 / 10821-224

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