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TNF RII Recombinant Protein

CATALOG NUMBER: 92-700

Specifications

SPECIES:	Human
SOURCE SPECIES:	Human Cells
SEQUENCE:	Leu23-Asp257
FUSION TAG:	C-Fc tag
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.

Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PREDICTED MOLECULAR WEIGHT:	51.9 kD
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH4O.
STORAGE CONDITIONS:	Lyophilized protein should be stored at -20˚C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7˚C for 2-7 days. Aliquots of reconstituted samples are stable at -20˚C for 3 months.

Additional Info

ALTERNATE NAMES:	Tumor necrosis factor receptor superfamily member 1B, TNFRSF1B, Tumor necrosis factor receptor 2, TNF-R2, TNF-RII, Tumor necrosis factor receptor type II, p75, p80 TNF-alpha receptor, CD120b
ACCESSION NO.:	P20333

Background

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) is a member of the tumor necrosis factor receptor superfamily. Human TNF RII contains four cysteinerich repeats in its ECD, which shares 58% and 56% amino acid sequence identity with the mouse and rat orthologs, respectively.TNF RII is expressed predominantly on cells of the hematopoietic lineage, such as T and natural killer cells, as well as on endothelial cells, microglia, astrocytes,neurons, oligodendrocytes, cardiac myocytes, thymocytes, and mesenchymal stem cells.TNF RII binds to the membranebound forms of TNF alpha and Lymphotoxin alpha/TNF beta soluble TNF is thought to signal predominately through TNF RI.Soluble TNF RII is believed to inhibit TNF biological activity by binding TNF thereby preventing it from activating membrane TNF receptors.

FOR RESEARCH USE ONLY

December 14, 2016