



## TNF RI Recombinant Protein

CATALOG NUMBER: 92-693

### Specifications

<b>SPECIES:</b>	Human
<b>SOURCE SPECIES:</b>	Human Cells
<b>SEQUENCE:</b>	Leu30-Thr211
<b>FUSION TAG:</b>	C-Fc tag
<b>APPLICATIONS:</b>	This recombinant protein can be used for biological assays. For research use only.

### Properties

<b>PURITY:</b>	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.
<b>PREDICTED MOLECULAR WEIGHT:</b>	47.2 kD
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	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 ddH <sub>2</sub> O.
<b>STORAGE CONDITIONS:</b>	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

<b>ALTERNATE NAMES:</b>	Tumor necrosis factor receptor superfamily member 1A TNFRSF1A Tumor necrosis factor receptor 1, TNF-R1, TNF-RI, p55, p60, CD120a, TNFAR, TNFR1, TNFRSF1A
<b>ACCESSION NO.:</b>	P19438

### Background

Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A) is a member of the tumor necrosis factor receptor superfamily. TNFRSF1A is one of the major receptors for the tumor necrosis factor- $\alpha$ . It can activate the transcription factor NF- $\kappa$ B, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the human genetic disorder called tumor necrosis factor associated periodic syndrome (TRAPS) or periodic fever syndrome.

**FOR RESEARCH USE ONLY**

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