

TNFRSF1B

Recombinant Human TNF Receptor Type II, soluble

Catalog No.	CRT105B	Quantity:	20 µg
Alternate Names:	Tumor necrosis factor receptor superfamily member 1B, TNFRSF1B, CD120b, TNF receptor 2, TNF-RII, Etanercept		
Description:	TNF-RII is a member of the TNFR family of transmembrane proteins, and is expressed in immune cells and certain endothelial cells. It is a high affinity receptor for TNF α but manifests a lower affinity to TNF- β . Signaling through this receptor regulates various biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. Soluble TNFRII is capable of inhibiting TNF- α induced activities by acting as a decoy receptor. Recombinant human sTNFRII comprises the cysteine rich ligand binding portion of the extracellular domain of the TNFRII protein.		
UniProt ID:	P20333		
GenelD:	7133		
Source:	<i>E. coli</i>		
Molecular Weight:	18.9 kDa (174 aa)		
Formulation:	Lyophilized from PBS		
Purity:	> 98% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	ED ₅₀ typically 0.125 mg/ml, determined by its inhibitory effect of the TNF- α mediated cytotoxicity in mouse L929 cells, in the presence of 0.25 ng/ml of recombinant human TNF- α .		
Amino Acid Sequence:	MAPEPGSTCR LREYYDQTAQ MCCSKCSPGQ HAKVFCTKTS DTVCDSCEDS TYTQLWNWVP ECLSCGSRCS SDQVETQACT REQNRICR PGWYCALSKQ EGCRLCAPLR KCRPGFGVAR PGTETSDVVC KPCAPGTFSN TTSSTDICRP HQICNVVAIP GNASMDAVCT STSP		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with PBS to a concentration of not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted into other buffered solutions such as PBS pH 7.0.		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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