

Recombinant Human TNFRSF1B

Cat. No. TNFRSF1B-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human sTNFRII produced in <i>E.coli</i> is an 18.9 kDa protein (174 amino acid residues) comprising the cysteine rich ligand binding portion of the extracellular domain of the TNFRII protein.
Species	Human
Source	E.coli
Description	TNFRII 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.
Purity	> 98% by SDS-PAGE and HPLC analyses.
Endotoxin Level	< 0.1 ng per ug of sTNF-receptor.
Stabilizer	None.
Formulation	Lyophilized.
Biological Activity	Determined by its inhibitory effect of the TNF- α mediated cytotoxicity in murine L-929 cells. The ED ₅₀ for this effect in the presence of 0.25 ng/ml of recombinant human

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TNF- α , is 0.125 μ g/ml.

Reconstitution

We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at -20°C for future use.

Stability

The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted sTNFRII is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

TNFRSF1B tumor necrosis factor receptor superfamily, member 1B [Homo sapiens]

Synonyms

TNFRSF1B; tumor necrosis factor receptor superfamily, member 1B; Tumour necrosis factor receptor 2; Tumour receptor beta receptor; Tumour necrosis factor binding protein 2; Tumour necrosis factor receptor superfamily member 1B; Tumour necrosis factor receptor type II; p80 TNF alpha; receptor; Etanercept; CD120b; p75; TBPII; TNFRII, TNFR75; TNFBR; TNFR2; TNFR80; TNFR1B; TNF-R75; p75TNFR; TNF-R-II; TNFRSF1B; p75 TNF receptor; OTTHUMP00000001784; soluble TNFR1B variant 1; tumor necrosis factor beta receptor; tumor necrosis factor binding protein 2; TNF-R2; CD120b antigen

Gene ID

7133

mRNA Refseq

NM_001066

Protein Refseq

NP_001057

MIM

191191

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UniProt ID	P20333
Chromosome Location	1p36.3-p36.2
Function	protein binding; receptor activity; tumor necrosis factor receptor activity

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