

Active Recombinant Human TNFRSF1B, Fc-tagged, Biotinylated

Cat. No. TNFRSF1B-708H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human TNFR2-Fc fusion is expressed as a 460 amino acid protein consisting of Leu23 - Asp257 region of TNFR2 (UniProt accession #P20333) and a C-terminal Fc from human IgG1, which exists as a dimer/tetramer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	23-257 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand TNF and inhibits TNF-mediated biological activities including NF-κB activation and cytotoxicity in the mouse L929 fibrosarcoma cells.
Molecular Mass	Calculated molecular mass (kDa): 50.5; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
Endotoxin	<0.1 eu per 1 μg of purified recombinant protein determined by the lal>
Purity	>95% judged by SDS-PAGE under reducing condition.

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Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation

Biotin

GENE INFORMATION

Gene Name

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

Official Symbol

TNFRSF1B

Synonyms

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

Gene ID

7133

mRNA Refseq

NM_001066

Protein Refseq

NP_001057

MIM

191191

UniProt ID

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Chromosome Location	1p36.22
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	protein binding; receptor activity; tumor necrosis factor-activated receptor activity;

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