

Active Recombinant Human TNFRSF10B protein, Fc-His-tagged

Cat. No. TNFRSF10B-884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNFRSF10B protein(NP_003833.3)(Met 1-Glu 182) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-182 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human TNFSF10 at 10 µg/ml (100 µl/well) can bind human TNFRSF10B Fc chimera with a linear range of 2.5-40 ng/ml. 2. Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is typically 5-60 ng/ml in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10.
Molecular Mass	The recombinant human TNFRSF10B/Fc is a disulfide-linked homodimer. The reduced monomer consists of 375 amino acids and has a predicted molecular mass of 42.4 kDa. As a result of glycosylation, the apparent molecular mass of rh TNFRSF10B/Fc monomer migrates with an apparent molecular mass of 50 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TNFRSF10B tumor necrosis factor receptor superfamily, member 10b [Homo sapiens]
Official Symbol	TNFRSF10B
Synonyms	TNFRSF10B; tumor necrosis factor receptor superfamily, member 10b; tumor necrosis factor receptor superfamily member 10B; CD262; DR5; KILLER; TRAIL R2; TRICK2A; TRICKB; Fas-like protein; death receptor 5; cytotoxic TRAIL receptor-2; apoptosis inducing receptor TRAIL-R2; apoptosis inducing protein TRICK2A/2B; TNF-related apoptosis-inducing ligand receptor 2; death domain containing receptor for TRAIL/Apo-2L; tumor necrosis factor receptor-like protein ZTNFR9; p53-regulated DNA damage-inducible cell death receptor(killer); TRICK2; ZTNFR9; TRAILR2; TRICK2B; TRAIL-R2; KILLER/DR5;
Gene ID	8795
mRNA Refseq	NM_003842

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Protein Refseq	NP_003833
MIM	603612
UniProt ID	O14763

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