

Active Recombinant Human TNFRSF10B protein, His-tagged

Cat. No. TNFRSF10B-2350H **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 a polyhistidine tag 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 TNFRSF10B at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.625-20 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 0.025-0.275 µg/mL in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10.
Molecular Mass	The recombinant human TNFRSF10B consists of 138 amino acids and has a predicted molecular mass of 15.8 kDa. As a result of glycosylation, the apparent molecular mass of rhTNFRSF10B is approximately 20-22 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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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
Protein Refseq	NP_003833

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MIM	603612
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UniProt ID	O14763
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