

Active Recombinant Human TNFSF10 protein, mFc-tagged

Cat. No. TNFSF10-220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF10 protein(Val 114 - Gly 281), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Val 114 - Gly 281
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human Osteoprotegerin, His Tag at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag with a linear range of 0.8-13 ng/mL. Immobilized Human TRAIL R1, His Tag at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag with a linear range of 2-20 ng/mL. Immobilized Human TRAIL, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Human TRAIL R2, Fc Tag with a linear range of 0.6-20 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the N-terminus. The protein has a calculated MW of 46.4 kDa. The protein migrates as 47-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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	TNFSF10 tumor necrosis factor (ligand) superfamily, member 10 [Homo sapiens]
Official Symbol	TNFSF10
Synonyms	TNFSF10; tumor necrosis factor (ligand) superfamily, member 10; tumor necrosis factor ligand superfamily member 10; Apo 2L; CD253; TL2; TRAIL; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor apoptosis-inducing ligand splice variant delta; APO2L; Apo-2L;
Gene ID	8743
mRNA Refseq	NM_001190942
Protein Refseq	NP_001177871
MIM	603598
UniProt ID	P50591

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