

Active Recombinant Human TNFSF10 Protein (Arg114-Gly281), C-His tagged, Animal-free, Carrier-free

Cat. No. TNFSF10-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF10 Protein (Arg114-Gly281) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Arg114-Gly281
Description	Tumor necrosis factor-associated apoptosis-inducing ligand (TRAIL) is a type II membrane protein of the tumor necrosis factor (TNF) family members, moreover, expressed in many adult tissues including the thymus, prostate, colon, ovary and lung. TRAIL is a 19kDa protein containing 281 residues. TRAIL to induce apoptosis in human breast carcinoma cells (MCF7) and human epitheloid carcinoma (HeLa) cell lines, by activate two death receptors of DR4 and DR5 or two decoy receptors DcR1 and DcR2.
Form	Lyophilized
Bio-activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is 10.4-15.4 ng/mL.
Molecular Mass	The protein has a calculated MW of 20.33 kDa.

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	The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	TNFSF10 tumor necrosis factor (ligand) superfamily, member 10 [Homo sapiens (human)]
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

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necrosis factor apoptosis-inducing ligand splice variant delta; APO2L; Apo-2L;

Gene ID 8743

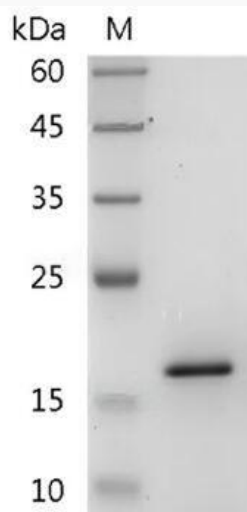
mRNA Refseq NM_001190942

Protein Refseq NP_001177871

MIM 603598

UniProt ID P50591

**SDS-PAGE analysis
of recombinant
human TRAIL.**



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