

Recombinant Human TNFSF10 Protein

Cat. No. TNFSF10-253H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF10 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	115-281 a.a.
Description	Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is a member of the tumor necrosis factor (TNF) family of cytokines. TRAIL is widely produced by a variety of cell types including tumor cells, smooth muscle of the lung and spleen, cerebellar glial cells, and thyroid follicular cells. TRAIL is a cytotoxic protein that induces apoptosis in tumor cells through the activation of the death receptors DR4 and DR5. TRAIL also binds the neutralizing decoy receptors, DcR1 and DcR2. Human TRAIL is active on mouse cells.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 19.5 kDa (168 aa)
AA Sequence	MRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHL RNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSAR NSCWSKDAEYGLYSIQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG
Endotoxin	≤1 EUs/μg, Kinetic LAL

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Purity	≥90%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

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

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