

## Active Recombinant Mouse Tnfsf10 Protein (Pro118-Asn291), C-His tagged, Animal-free, Carrier-free

Cat. No. Tnfsf10-89M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Tnfsf10 Protein (Pro118-Asn291) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro118-Asn291
<b>Description</b>	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 19 kDa protein containing 281 residues. Mouse TRAIL shares 70% amino acids sequence identity with human, bovine, and porcine. TRAIL to induce apoptosis in human breast carcinoma cells (MCF7) and human epithelioid carcinoma (HeLa) cell lines, by activate two death receptors of DR4 and DR5 or two decoy receptors DcR1 and DcR2.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 1 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 21.00 kDa.

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The protein migrates as 17-25 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 7.4.

**Reconstitution** It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>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 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Tnfsf10](#)

**Synonyms** TNFSF10; tumor necrosis factor (ligand) superfamily, member 10; tumor necrosis factor ligand superfamily member 10; TRAIL/APO2L; TNF-related apoptosis inducing ligand; TNF-related apoptosis-inducing ligand; TL2; Ly81; Trail; APO-2L; AI448571; A330042I21Rik;

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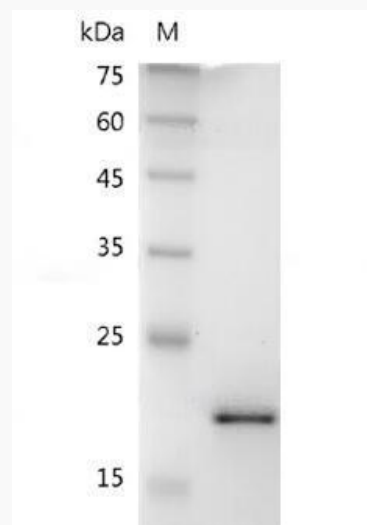
**Gene ID** 22035

**mRNA Refseq** NM\_009425

**Protein Refseq** NP\_033451

**UniProt ID** P50592

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



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