

## Recombinant Human TNFSF10 Protein, His tagged

Cat. No. TNFSF10-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFSF10 Protein (95-281 aa) with His tag was expressed in Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	95-281 aa
<b>Description</b>	<p>The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
<b>AASequence</b>	MTSEETISTVQEKQQNISPLVREERGPRVAAHITGTRGRSNTLSSPNSKNEKALGRK INSWESSRSGHSFLSNLHLRNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMV

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QYIYKYTSYPDPILLMKSARNSCWSKDAEYGLYSIQGGIFELKENDRIFVSVTNEHLI  
DMDHEASFFGAFLVGHHHHHHHHHHH

<b>Molecular Mass</b>	23 kDa
<b>Endotoxin</b>	< 1 EU/μg by LAL
<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Sterile PBS, pH7.4
<b>Concentration</b>	1 mg/mL by BCA

## GENE INFORMATION

<b>Gene Name</b>	TNFSF10 tumor necrosis factor (ligand) superfamily, member 10 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNFSF10
<b>Synonyms</b>	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;
<b>Gene ID</b>	8743

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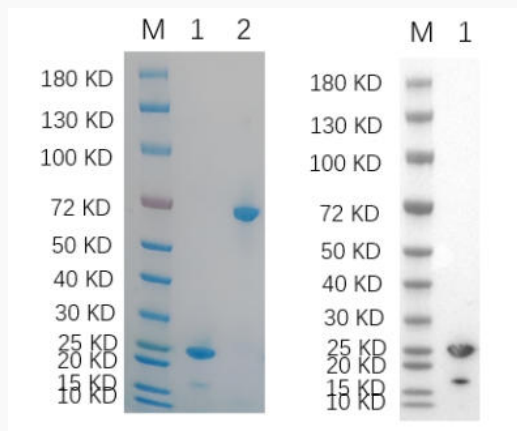
**mRNA Refseq**      [NM\\_001190942](#)

**Protein Refseq**      [NP\\_001177871](#)

**MIM**      [603598](#)

**UniProt ID**      [P50591](#)

**SDS-PAGE and WB**



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified TNFSF10. 1. TNFSF10: 1  $\mu$ g  
2. BSA 1  $\mu$ g

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