

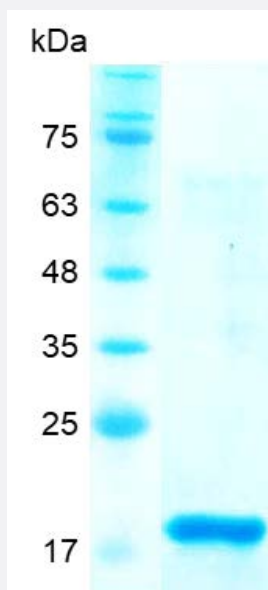
Bioactive

# TNFSF10 (Human) Recombinant Protein

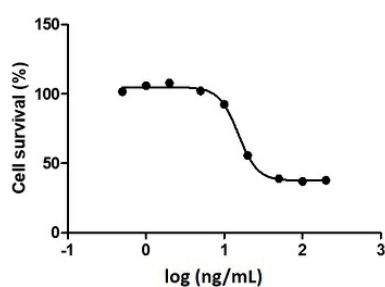
Catalog # P7809

Size 20 ug

## Applications



SDS-PAGE analysis of TNFSF10 (Human) Recombinant Protein.



## Result of activity analysis

Result of activity analysis

## Specification

### Product Description

Human TNFSF10 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

### Sequence

MRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNDELVIHE  
KGFYYYSQTYFRFQEEIKENTKNDKQMVQYYKYTSYPDPILLMKSARNSCWSKDAEYGLYSYQGG  
IFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG with polyhistidine tag at the C-terminus.

Host	Escherichia coli
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED <sub>50</sub> is 10.4-15.4 ng/mL, Measured by the induction of cytotoxicity in L929 cells in the presence of a ctinomycin D.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of TNFSF10 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 8.0. Reconstitute the lyophilized powder in ddH <sub>2</sub> O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. Th is product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — TNFSF10

Entrez GeneID	<a href="#">8743</a>
Gene Name	TNFSF10
Gene Alias	APO2L, Apo-2L, CD253, TL2, TRAIL

Gene Description	tumor necrosis factor (ligand) superfamily, member 10
Omim ID	<a href="#">603598</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<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/TRAIL R1, 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. [provided by RefSeq]</p>
Other Designations	Apo-2 ligand TNF-related apoptosis inducing ligand TRAIL tumor necrosis factor (ligand) family, member 10 tumor necrosis factor apoptosis-inducing ligand splice variant delta

## Pathway

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [Natural killer cell mediated cytotoxicity](#)

## Disease

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)

- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)