

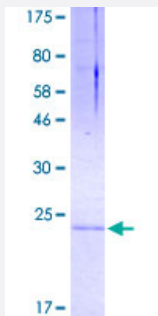
HuPro®

TNFSF10 (Human) Recombinant Protein

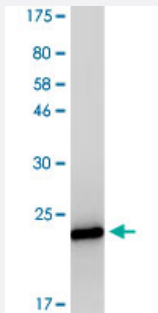
Catalog # H00008743-H01

Size 2 ug

Applications



SDS-PAGE Gel



Western Blot

Specification

Product Description	Purified TNFSF10 (AAH20220.1 114 a.a. - 281 a.a.) human recombinant protein with His-Flag-Strep II tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293T cells
Sequence	VRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHE KGFYYYSQTYFRFQEEIKENTKNDKQMVQYYKYTSYPDPILLMKSARNSCWSKDAEYGLYSIQGG IFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG
Host	Human
Theoretical MW (kDa)	23.76

Interspecies Antigen Sequence	Mouse (65)
Form	Liquid
Preparation Method	Transfection of pSuper-TNFSF10 plasmid into HEK293T cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Quality Control Testing	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — TNFSF10

Entrez GeneID	8743
GeneBank Accession#	BC020220.1
Protein Accession#	AAH20220.1
Gene Name	TNFSF10
Gene Alias	APO2L, Apo-2L, CD253, TL2, TRAIL
Gene Description	tumor necrosis factor (ligand) superfamily, member 10

Omim ID [603598](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

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](#)