HuPro®

TNFSF10 (Human) Recombinant Protein

Catalog # H00008743-H02 Size 25 ug

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 HEK293H cells
Sequence	VRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHE KGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLYSIYQGG IFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG
Host	Human
Theoretical MW (kDa)	23.76
Interspecies Antigen Sequence	Mouse (65)
Form	Liquid
Preparation Method	Transfection of pSuper-TNFSF10 plasmid into HEK293H cell, and the expressed protein was purified by *Strep*-Tactin affinity column.
Purification	*Strep*-Tactin affinity columns
Concentration	≥ 10 ug/ml
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) lig and 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 receptor s TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apo ptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAP K8/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