

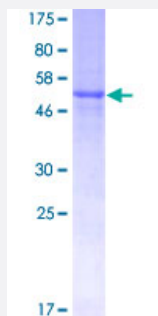
Full-Length

TNFSF10 (Human) Recombinant Protein (P01)

Catalog # H00008743-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TNFSF10 full-length ORF (AAH32722, 1 a.a. - 281 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAMMEVQGGPSLGQTCVLVIFTVLLQSLCAVTVYFTNELKQMQDKYSKSGIACFLKEDDSYW
DPNDEESMNSPCWQVKWQLRQLVRKMILRTSEETISTVQEKQQNISPLVRERGPQRVAAHITGTR
GRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKGFYYYSQTYFRFQEEIK
ENTKNDKQMVQYYKYTSYPDPILLMKSARNSCWPKDAEYGLYSYQGGIFELKENDRIFVSVTNEH
LIDMDHEASFFGAFLVG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.65

Interspecies Antigen Sequence

Mouse (65)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TNFSF10

Entrez GeneID[8743](#)**GeneBank Accession#**[BC032722](#)**Protein Accession#**[AAH32722](#)**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 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

Publication Reference

- [Up-regulation of miR-146b and Down-regulation of miR-200b Contribute to the Cytotoxic Effect of Histone Deacetylase Inhibitors on ras-Transformed Thyroid Cells.](#)

Borbone E, De Rosa M, Siciliano D, Altucci L, Croce CM, Fusco A.

The Journal of Clinical Endocrinology and Metabolism 2013 Jun; 98(6):E1031.

Application: Func, Proteasome extracts

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](#)