

Bioactive

TNFSF10 (Human) Recombinant Protein

Catalog # P6420

Size 50 ug

Specification

Product Description	Human TNFSF10 (P50591) recombinant protein expressed in <i>E. Coli</i> .
Sequence	MRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFSLNLHLRNGELVIHE KGFYYYSQTYFRFQEEIKENTKNDKQMVQYYKYTSYPDPILLMKSARNSCWSKDAEYGLYSIQGG IFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG
Host	Escherichia coli
Theoretical MW (kDa)	18
Form	Lyophilized
Purity	> 95%
Endotoxin Level	<= 1 EUs/ug (LAL gel clot method)
Activity	The expected ED ₅₀ for this effect is 1-3 ng/mL.
Storage Buffer	Lyophilized from PBS, pH 7.2.
Storage Instruction	Stored at -20°C to -80°C. After reconstitution with sterile water not less than 0.1 mg/mL, store at -20°C to -80°C for 6 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Functional Study

Gene Info — TNFSF10

Entrez GeneID [8743](#)

Protein Accession# [P50591](#)

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/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. [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](#)