

TNF-Related Apoptosis Inducing Ligand/Apo2L Active Protein | TRAIL active protein

Recombinant Human TNF-Related Apoptosis Inducing Ligand/Apo2L

CATALOG #
AAA38208

PRODUCT SYNONYMS

TNF-Related Apoptosis Inducing Ligand/Apo2L; Recombinant Human TNF-Related Apoptosis Inducing Ligand/Apo2L; TRAIL Human; TRAIL / APO2 Ligand Human Recombinant; Tumor necrosis factor ligand superfamily member 10; TNF-related apoptosis-inducing ligand; Protein TRAIL; Apo-2 ligand; Apo-2L; CD253 antigen; TL2; APO2L; TNFSF10; TRAIL active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a filtered (0.2 um) solution containing 20mM Tris-HCl pH 8.0 and 150mM NaCl. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY IYSQTYFRFQ EEIKENTKND QQMVQYIYKY TSYDPILLM KSARNCSWSK DAEYGLYSIY QGGIFELKEN DRIFVSVTNE HLIDMDHEAS FFGAFLVG
Sequence Length	101
Source	E Coli
Solubility	It is recommended to reconstitute the lyophilized TRAIL in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity is determined by the cytotoxicity of Murine L929 cells in the presence of Actinomycin D, ED50 for this effect is less than 2ng/ml, corresponding to a specific activity of 5,000,000IU/mg.
Preparation and Storage	Lyophilized APO 2 Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution TRAIL should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TRAIL active protein	Description: TRAIL/APO 2 Ligand Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (Met+Arg115-Gly281) and having a molecular mass of ~21kDa. The sTRAIL is purified by proprietary chromatographic techniques. Introduction: TNF-related apoptosis-inducing ligand (TRAIL) is a ligand molecule which induces apoptosis. It is a type II transmembrane protein with homology to other members of the tumor necrosis factor family. In humans, the gene that encodes for TRAIL is located at chromosome 3q26. TRAIL binds to the death receptors, DR4 and DR5. The process of apoptosis is caspase-8-dependent. 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.
Product Categories/Family for TRAIL active protein	Cytokines and Growth Factors; Cytokines; Tumor Necrosis Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	300193032
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NCBI GeneID	8743
NCBI Accession #	NP_001177871.1
NCBI GenBank Nucleotide #	NM_001190942.1
UniProt Accession #	P50591; A1Y9B3
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 10 isoform 2
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 10
NCBI Official Symbol	TNFSF10
NCBI Official Synonym Symbols	TL2; APO2L; CD253; TRAIL; Apo-2L
NCBI Protein Information	tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor (ligand) family, member 10; tumor necrosis factor apoptosis-inducing ligand splice variant delta
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 10
UniProt Gene Name	TNFSF10
UniProt Synonym Gene Names	APO2L; TRAIL; Apo-2L; Protein TRAIL
UniProt Entry Name	TNF10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/trail-active-protein/tnf-related-apoptosis-inducing-ligand-apo2l/38208>