TRAIL active protein

TRAIL (soluble) (human), (recombinant) (His-tag)

CATALOG #	HOST
AAA77052	**E Coli**

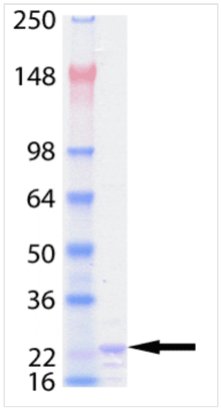
PRODUCT SYNONYMS

TRAIL; TRAIL (soluble) (human); (recombinant) (His-tag); TRAIL active protein

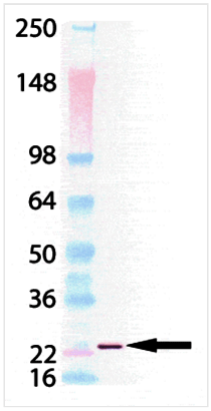
PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Binds to human and mouse TRAIL receptors and human osteoprotegerin (OPG)
Purity/Purification	>=95% (SDS-PAGE) Purified by multi-step chromatography
Form/Format	Liquid. In PBS, containing 10% glycerol and 0.1mM DTT
Source Note	Human TRAIL (aa 114-281) is fused to a His-tag
Endotoxin	<0.1EU/ug TRAIL, determined using chromogenic Limulus amebocyte lysate (LAL) test
Biological Activity	Induces apoptosis in U937 cells at 1ug/ml, within 5 hours. At 0.5-2.0ug/ml, induces apoptosis in various thyroid carcinoma lines within 18 hours. User must determine optimal concentrations and time course for induction. Please note that this protein does not require a cross-linking enhancer to exhibit this potent activity
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on Dry Ice When stored at -80°C, this protein is stable at the concentration supplied, in its current storage buffer. Procedures such as dilution of the protein, followed by refreezing, could lead to loss of activity. After initial defrost, aliquot product into individual tubes and refreeze at -70°C. Avoid freeze/thaw cycles.

IMAGES



SDS-PAGE
SDS-PAGE analysis: Lane 1: MW marker, Lane 2: 1ug TRAIL (soluble) (human), (recombinant) (His-tag) (Prod. No. BML-SE721).



WB (Western Blot)
Western Blot Analysis: Lane 1: MW marker, Lane 2: 50 ng of TRAIL (soluble) (human), (recombinant) (His-tag) probed with Anti-6X His tag® antibody.

ADDITIONAL INFORMATION

Related Product Information for TRAIL active protein	TRAIL, also called Apo2L, is a member of the tumor necrosis factor family (TNF). In contrast to other family members such as TNFa/TNFR1 and FasL/Fas, TRAIL and its receptors DR4 and DR5 are widely expressed in many human tissues. TRAIL activates rapid apoptosis in many transformed cell lines but not in normal tissues, even though TRAIL and its receptors DR4 and DR5 are expressed on both cell types. A glycophospholipid-anchored cell surface protein designated decoy receptor 1 (DcR1 or TRID) acts as a decoy to inhibit TRAIL signaling. Thus, TRAIL and its signaling pathways may have direct applications in selective tumor cell death and cancer research.
Product Categories/Family for TRAIL active protein	Cellular Analysis; Cell Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	300193032
NCBI GeneID	8743
NCBI Accession #	NP_001177871.1
NCBI GenBank Nucleotide #	NM_001190942.1
UniProt Accession #	P50591; A1Y9B3
Molecular Weight	~23kDa
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; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor apoptosis-
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 10
UniProt Gene Name	**TNFSF10**
UniProt Synonym Gene Names	APO2L; TRAIL; Apo-2L
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/e-coli-active-protein/trail/77052