

Datasheet for ABIN7544498
FASL Protein (AA 1-281) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	FASL
Protein Characteristics:	AA 1-281
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FASL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FASLG Protein expressed in mammalian cells.
Sequence:	<p>MQQPFNYPYP QIYWVDSSAS SPWAPPGTVL PCPTSVPRRP GQRRPPPPPP PPPLPPPPPP</p> <p>PPLPPLPLPP LKKRGNHSTG LCLLMFFMV LVALVGLGLG MFQLFHLQKE LAELRESTSQ</p> <p>MHTASSLEKQ IGHPSPPEK KELRKVAHLT GKSNSRSMPL EWEDTYGIVL LSGVKYKKG</p> <p>LVINETGLYF VYSKVYFRGQ SCNNLPLSHK VYMRNSKYPQ DLVMMEGKMM SYCTTGQMW</p> <p>A RSSLGAVFN LTSADHLYVN VSELSLVNFE ESQTFGLYK L Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	FASL
Alternative Name:	FASLG (FASL Products)
Background:	<p>Tumor necrosis factor ligand superfamily member 6 (Apoptosis antigen ligand) (APTL) (CD95 ligand) (CD95-L) (Fas antigen ligand) (Fas ligand) (FasL) (CD antigen CD178) [Cleaved into: Tumor necrosis factor ligand superfamily member 6, membrane form, Tumor necrosis factor ligand superfamily member 6, soluble form (Receptor-binding FasL ectodomain) (Soluble Fas ligand) (sFasL), ADAM10-processed FasL form (APL), FasL intracellular domain (FasL ICD) (SPPL2A-processed FasL form) (SPA)],FUNCTION: Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells (PubMed:26334989, PubMed:9228058). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development (PubMed:9228058, PubMed:7528780, PubMed:9427603). Initiates fratricidal/suicidal activation-induced cell death (AICD) in antigen-activated T-cells contributing to the termination of immune responses (By similarity). TNFRSF6/FAS-mediated apoptosis has also a role in the induction of peripheral tolerance (By similarity). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (PubMed:27806260). {ECO:0000250 UniProtKB:P41047, ECO:0000269 PubMed:17557115, ECO:0000269 PubMed:27806260,</p>

Target Details

ECO:0000269|PubMed:7528780, ECO:0000269|PubMed:9228058, ECO:0000269|PubMed:9427603}., FUNCTION: [Tumor necrosis factor ligand superfamily member 6, soluble form]: Induces FAS-mediated activation of NF-kappa-B, initiating non-apoptotic signaling pathways (By similarity). Can induce apoptosis but does not appear to be essential for this process (PubMed:27806260). {ECO:0000250|UniProtKB:P41047, ECO:0000269|PubMed:27806260}., FUNCTION: [FasL intracellular domain]: Cytoplasmic form induces gene transcription inhibition. {ECO:0000269|PubMed:17557115}.

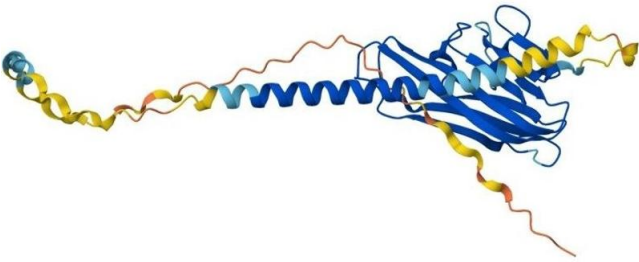
Molecular Weight:	31.5 kDa
UniProt:	P48023
Pathways:	Apoptosis , EGFR Signaling Pathway , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

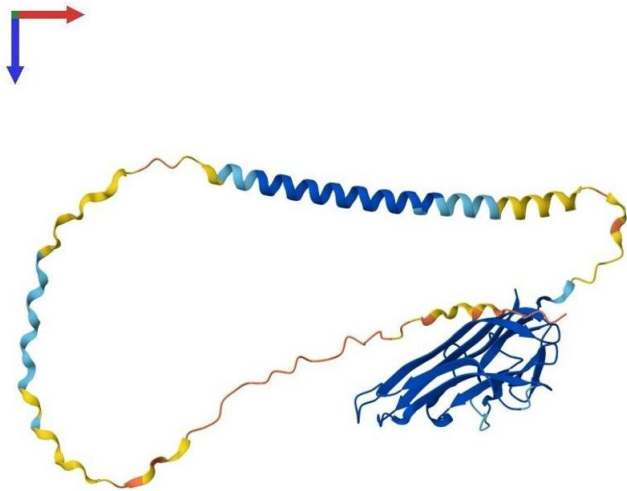
Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months



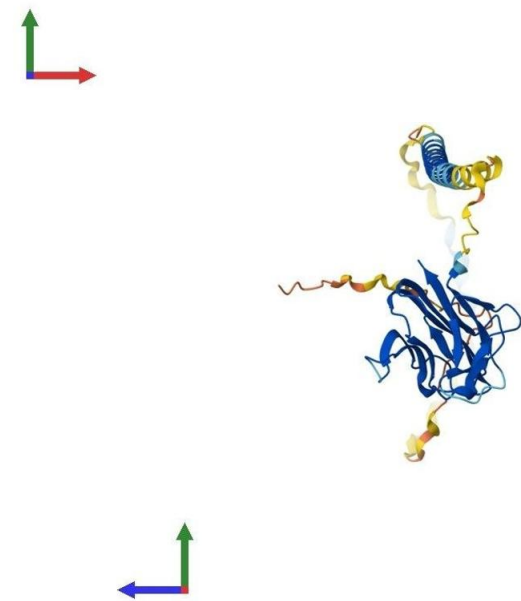
Protein Structure

Image 1. AlphaFold protein structure prediction of Human Recombinant FASLG Protein, UniprotID P48023



Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant FASLG Protein, UniprotID P48023



Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant FASLG Protein, UniprotID P48023