

Datasheet for ABIN3133978

FASL Protein (AA 1-279) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	FASL
Protein Characteristics:	AA 1-279
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FASL protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MQQPMNYPCP QIFWVDSSAT SSWAPPGSVF PCPSCGPRGP DQRRPPPPPP PVSPLPPPSQ PLPLPPLTPL KKKDHNTNLW LPVVFFMVLV ALVGMGLGMY QLFHLQKELA ELREFTNQSL KVSSFQKQIA NPSTPSEKKE PRSVAHLTGN PHRSIPLEW EDTYGTALIS GVKYKKGGLV INETGLYFVY SKVYFRGQSC NNQPLNHKVY MRNSKYPEDL VLMEEKRLNY CTTGQIWAHS SYLGAVFNLT SADHLYVNIS QLSLINFEEES KTFFGLYKL</p> <p>Sequence without tag. The proposed Strep-Tag is based on experience s 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>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made in Germany - from design to production - by highly experienced protein experts.
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Product Details

- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	FASL
Alternative Name:	Faslg (FASL Products)

Target Details

Background:	<p>Tumor necrosis factor ligand superfamily member 6 (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:7511063). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development (PubMed:19794494, PubMed:7532682). Initiates fratricidal/suicidal activation-induced cell death (AICD) in antigen-activated T-cells contributing to the termination of immune responses (PubMed:19794494). TNFRSF6/FAS-mediated apoptosis has also a role in the induction of peripheral tolerance (PubMed:10779162). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (By similarity). {ECO:0000250 UniProtKB:P48023, ECO:0000269 PubMed:19794494, ECO:0000269 PubMed:7511063, ECO:0000269 PubMed:7532682}., FUNCTION: [Tumor necrosis factor ligand superfamily member 6, soluble form]: Induces FAS-mediated activation of NF-kappa-B, initiating non-apoptotic signaling pathways (PubMed:19794494). Can induce apoptosis but does not appear to be essential for this process (By similarity). {ECO:0000250 UniProtKB:P48023, ECO:0000269 PubMed:19794494}., FUNCTION: [FasL intracellular domain]: Cytoplasmic form induces gene transcription inhibition. {ECO:0000250 UniProtKB:P48023}.</p>
Molecular Weight:	31.4 kDa
UniProt:	P41047
Pathways:	Apoptosis , EGFR Signaling Pathway , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for</p>

Application Details

protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months