

Datasheet for ABIN3079797

## FADD Protein (AA 1-208) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	FADD
Protein Characteristics:	AA 1-208
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FADD protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

### Product Details

Brand:	ALiCE®
Sequence:	<p>MDPFLVLLHS VSSSLSSSEL TELKFLCLGR VGKRLERVQ SGLDLFSMLL EQNDLEPGHT  ELLRELLASL RRHDLLRRVD DFEAGAAAGA APGEEDLCAA FNVICDNVGK DWRRLARQLK  VSDTKIDSIE DRYPRNLTER VRESLRIWKN TEKENATVAH LVGALRSCQM NLVADLVQEV  QQARDLQNRG GAMSPMSWNS DASTSEAS</p> <p><b>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.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made in Germany - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed with ALiCE® and purified in one-step affinity chromatography</li> <li>• These proteins are normally active (enzymatically functional) as our customers have</li> </ul>

## Product Details

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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

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Target:	FADD
Alternative Name:	FADD ( <a href="#">FADD Products</a> )
Background:	FAS-associated death domain protein (FAS-associating death domain-containing protein)

## Target Details

(Growth-inhibiting gene 3 protein) (Mediator of receptor induced toxicity),FUNCTION: Apoptotic adapter molecule that recruits caspases CASP8 or CASP10 to the activated FAS/CD95 or TNFRSF1A/TNFR-1 receptors (PubMed:7538907, PubMed:23955153, PubMed:19118384, PubMed:20935634, PubMed:16762833, PubMed:24025841, PubMed:9184224). The resulting aggregate called the death-inducing signaling complex (DISC) performs CASP8 proteolytic activation (PubMed:7538907, PubMed:19118384, PubMed:20935634, PubMed:16762833, PubMed:9184224). Active CASP8 initiates the subsequent cascade of caspases mediating apoptosis (PubMed:16762833). Involved in interferon-mediated antiviral immune response, playing a role in the positive regulation of interferon signaling (PubMed:21109225).

{ECO:0000269|PubMed:16762833, ECO:0000269|PubMed:19118384, ECO:0000269|PubMed:20935634, ECO:0000269|PubMed:21109225, ECO:0000269|PubMed:23955153, ECO:0000269|PubMed:24025841, ECO:0000269|PubMed:7538907, ECO:0000269|PubMed:9184224}.

Molecular Weight: 23.3 kDa

UniProt: [Q13158](#)

Pathways: [Apoptosis](#), [TLR Signaling](#), [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Toll-Like Receptors Cascades](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months