Datasheet for ABIN3131196

FARP1 Protein (AA 1-1048) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	FARP1
Protein Characteristics:	AA 1-1048
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FARP1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MGEIEQKPTP ASRLGAPENS GISTLERGQK PPPTPSGKLM TVKIQMLDDT QEAFEVPQRA PGKVLFDAVC NHLNLVEGDY FGLEFPDHRK IVVWLDLLKP IVKQIRRPKH VVVKFVVKFF PPDHTQLQEE LTRYLFALQV KQDLAQGRLT CNDTSAALLI SHIVQSEIGD FDEALDREHL AKNKYVPQQD ALEDRIMEFH HSHVGQTPAE SDFQLLEVAR RLEMYGIRLH PAKDREGTKI NLAVANTGIL VFQGFTKINA FNWAKVRKLS FKRKRFLIKL RPDVNSSYQD TLEFLMAGRD FCKSFWKICV EHHAFFRLFE EPKPKPKPVL FSRGSSFRFS GRTQKQVLDY VKEGGHKKVQ FERKHSKIHS TRSLVSQPTA PNSEVPKQSP QSASLTFGEG TESPGGQSCQ QAKETKACTL ELGPHQSPAL PKSPPGSKAA DGTTVVPPEE EEEEEGGKDG IRPSNPQPPQ PSTGSLTGSP HLSELSINSQ GGAAPANVTL SPNLSPDNKQ ASPLISPLLN DQACPRTDDE EEGRRKRFPT DKAYYIAKEV STTERTYLKD LEVIASWFQS TVSKEDSMPE ALKSLIFPNF EPLHKFHTNF LKEIEQRLAL WEGRSNAHVR GDYQRIGDVM LKNIQGMKHL AAHLWKHSEA LEALETSIKG

SRRLEHFCRD FELQKVCYLP LNTFLLRPLH RLMHYKHVLE RLCKHHPPNH ADFRDCRAAL AEITEMVAQL HGTMIKMENF QKLHELKKDL IGIDNLVTPG REFIRLGSLS KLSGKGLQQR MFFLFNDVLL YTSRGLTASN QFKVHGQLPL YGMTIEESEE EWGVPHCLTL RGQRQSIIVA ASSRSEMEKW MEDIQMAIDL AEKSNGPTPE LLASSPPDNK SPDEATAADQ ESEDDLSASR TSLERQAPHR GNTMVHVCWH RSTSVSMVDF SIAVENQLSG NLLRKFKNSN GWQKLWVVFT NFCLFFYKSH QDSHPLASLP LLGYSLTIPS ESENIHKDYV FKLHFKSHVY YFRAESEYTF ERWMEVIRSA TSSASRAHIL SHKESHLY

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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- 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.

Product Details

	• 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:	FARP1
Alternative Name:	Farp1 (FARP1 Products)
Background:	FERM, ARHGEF and pleckstrin domain-containing protein 1 (FERM, RhoGEF and pleckstrin domain-containing protein 1),FUNCTION: Functions as a guanine nucleotide exchange factor for RAC1. May play a role in semaphorin signaling. Plays a role in the assembly and disassembly of dendritic filopodia, the formation of dendritic spines, regulation of dendrite length and ultimately the formation of synapses (By similarity). {ECO:0000250}.
Molecular Weight:	118.9 kDa
UniProt:	F8VPU2

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:	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

Application Details

	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