Datasheet for ABIN3136517

FNBP1L Protein (AA 1-605) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	FNBP1L
Protein Characteristics:	AA 1-605
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FNBP1L protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSWGTELWDQ FDSLDKHTQW GIDFLERYAK FVKERIEIEQ NYAKQLRNLV KKYCPKRSSK DEEPRFTSCI AFFNILNELN DYAGQREVVA EEMAHRVYGE LMRYAHDLKT ERKMHLQEGR KAQQYLDMCW KQMDNSKKKF ERECREAEKA QQSYERLDND TNATKADVEK AKQQLNLRTH MADENKNEYA AQLQNFNGEQ HKHFYVVIPQ IYKQLQEMDE RRTIKLSECY RGFADSERKV IPIISKCLEG MILAAKSVDE RRDSQMVVDS FKSGFEPPGD FPFEDYSQHI YRTISDGTIS AAKQESGKMD SKSTVGKAKG KLWLFGKKPK PQSPPLTPTS LFTSSTPNGS QFLTLSIEPV HYCMNEIKTG KPRIPSFRSL KRGVSLIMGP ALEDFSHLPP EQRRKKLQQR IDELNRGLQK EADQKEALNK MKDVYEKNPQ MGDPGSLQPK LAETMNNIDR LRMEIHKNEA WLSEVEGKTG IRGDRRHSSD INHLVTQGRE SPEGSYTDDA NQEVRGPPQQ HGHHSEFDDE FEDDDPLPAI GHCKAIYPFD GHNEGTLAMK EGEVLYIIEE DKGDGWTRAR RQNGEEGYVP TTYIDVTLEK SSKGS **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. • 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:	FNBP1L
Alternative Name:	Fnbp1l (FNBP1L Products)
Background:	Formin-binding protein 1-like (Transducer of Cdc42-dependent actin assembly protein 1) (Toca-1),FUNCTION: Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. May bind to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promote membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by activating the WASL-WASPIP complex, the predominant form of WASL/N-WASP in cells. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Essential for autophagy of intracellular bacterial pathogens (By similarity). {ECO:0000250}.
Molecular Weight:	69.9 kDa
UniProt:	Q8K012

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 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.

Handling

	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