

Datasheet for ABIN3136392

PPFIBP1 Protein (AA 1-969) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	PPFIBP1
Protein Characteristics:	AA 1-969
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPFIBP1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p> MMSDASDMLA AALEQMDGII AGSKALEYSN GIFDCQSPTS PFMGSLRALH LVEDLRGLLE MMETDEKEGL RCQIPDSTAE VLI EWLQNQM TNGHLPNGD VYQERLARLE NDKESLVLQV SVLTDQVEAQ GEKIRDLEFC LEEHREKLNA TEEMLQQELL SRTSLETQKL ELMAEISNLK LKLTAVEKDR LDYEDRFRDT EGLIQEINDL RLKVNEMDGE RLQYEKKLKS TKDELASLKE QLEEKECEVK RLQERLVCKA KEGIEVLDR DIEVQKMKKA VESLMAANEE KERKIEDLRQ CLSRYRKMQD PAVLAQGQDS ECEGLFHSSS ISTLLDAQGF SDLERSTSST PGMGSPSRDL LHTSAPEEFH TSVLQASIPS LLPPSVDVD TCEPKLP TKP ETSFEEGDGR AILGAAAEVS LSDGVSTSSL QKSSSLGNLK KEASDGTDKA PTDSRTFGTL PPKVPGHEAS VDDNPFGRK ARSSFGRGFF KIKSGKRTAS APNLAETEKE TAEHLNLAGT SRSKGSQGTS PFPMSPPSPD SRKKSRGIMR LFGKLRRSQS TTFNPDDMSE PEFKRGGTRA TAGPRLGWSR DLGQSNSDLD MPFAKWTK EQ VCSWLAEQGL GSYLSSGKHW IISGQTLLQA SQQDLEKELG IKHSLHRKKL </p>

QLALQALGSE EETNYGKLDF NWWTRWLDDI GLPQYKTQFD EGRVDGRMLH YMTVDDLSSL
KVVSVLHHLS IKRAIQVLR I NNFEPNCLRR RPSDENSITP SEVQQWTNHR VMEWLRSVDL
AEYAPNLRGS GVHGGLMVLE PRFNVETMAQ LLNIPPKNL LRRHLATHFN LLIGAEAQHQ
KRDAMELPDY VLLTATAKVK PKKLTFSNFG NLRKKKHEDG EEYVCPMELG QASGSSQKGF
RPGLDMLRYE EDDLDRLEQM EDSEGTVRQI GAFSEGINNL THMLKEDDMF KDFAARSPSA
SITDEDSNV

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.

Product Details

- 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®).
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Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
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Grade:	custom-made
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Target Details

Target:	PPFIBP1
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Alternative Name:	Ppfibp1 (PPFIBP1 Products)
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Background:	Liprin-beta-1 (Protein tyrosine phosphatase receptor type f polypeptide-interacting protein-binding protein 1) (PTPRF-interacting protein-binding protein 1),FUNCTION: May regulate the disassembly of focal adhesions. Did not bind receptor-like tyrosine phosphatases type 2A (By similarity). {ECO:0000250 UniProtKB:Q86W92}.
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Molecular Weight:	108.5 kDa
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UniProt:	Q8C8U0
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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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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 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!</p>
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Application Details

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