Datasheet for ABIN3135863

PITPNM2 Protein (AA 1-1335) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	PITPNM2
Protein Characteristics:	AA 1-1335
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITPNM2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MIIKEYRIPL PMTVDEYRIA QLYMIQKKSR NETHGQGSGV EILENRPYTD GPGGSGQYTH KVYHVGMHIP GWFRSILPKA ALRVVEESWN AYPYTRTRFT CPFVEKFSID IETFYKTDTG ENNNVFNLSP VEKSQLITDI IDIVKDPVPP SEYKTEEDPK LFQSVKTCRG PLSENWIQEY KKRLLPIMCA YKLCKVEFRY WGMQSKIERF IHDTGLRRVM VRAHRQAWCW QDEWYGLTME KIRELEREVQ LMLSRKMAQF SEEGPSELSK DSATKDQASG TTSDPGSKNG EPLGRGLKKQ WSTSSKSSRS SKRGASPSRH SISEWRMQSI ARDSDEGSEE EFFDAHENLY CTEEKQAKDM TKWNSNDLMD KMESPEPEES QDEIYQQSGS EFRVASSVEQ LNIIEDEVSQ PLAAPPSKIH VLLLVLHGGT ILDTGAGDPS SKQGDTNTIT NVFDTVMRVH YPSALGHLAI RLVPCPPICA DAFALVSNLS PYGHDEGCLS SSQDHIPLAA LPLLATSSPQ YQEAVATVIQ RANLAYGDFI KSQEGVTFNG QVCLIGDCVG GILAFDALCY SGQPVSESQS SSRRGSVVSM QDADLLSPGT LANAAHCSGG SGGGGSGGSS LESSRHLSRS NIDIPRSNGT EDSRRQLPRK RSDSSTYELD

TIQQHQAFLS SLHASVLRNE PSSRRSSSST MLDGAGALGK FDFEIADLFL FGCPLGLVLA LRKTVIPSLD VFQLRPACQQ VYNLFHPADP SASRLEPLLE RRFHSLPPFS IPRYQRYPLG DGCSTLLADV LQTHNTVFQE HAAPSSPGTA PAGRGFRRAS EISIASQVSG MAESYTASSI AQKGPSSLNH TPSIRRLSLL ALPPPSPTTQ GPRARARQVS PNLERAPCLP DLDIGEVAAK WWGQKRIDYA LYCPDALTAF PTVALPHLFH ASYWESTDVV SFLLRQVMRH DSSSILELDG KEVSVFTPSQ PRERWQRKRT HVKLRNVAAN HRINDAVANE DGPQVVTGRF MYGPLDMVTL TGEKVDVHIM TQPPSGEWLH LDTLVTNSSG RVSYTIPETH RLGVGVYPIK MVVRGDHTFA DSYITVLPRG TEFVVFSIDG SFAASVSIMG SDPKVRAGAV DVVRHWQDLG YLIIYVTGRP DMQKQRVVAW LAQHNFPHGV VSFCDGLVHD PLRHKANFLK LLISELHLRA HAAYGSTKDV AVYNSISLSP MHIYIVGRPT KKLQQQCQFI TDGYAAHLAQ LKYNHRARPA RNTATRMALR KGSFGLPGQS DFLRSRNHLL RTISAQPSGP SHRHDRTQTQ MDSEQRGQRS MSVAASCWGR AMAGRLEPGA ATGPK

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

Product Details

	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:	PITPNM2
Alternative Name:	Pitpnm2 (PITPNM2 Products)
Background:	Membrane-associated phosphatidylinositol transfer protein 2 (Drosophila retinal degeneration B homolog 2) (RdgB2) (Phosphatidylinositol transfer protein, membrane-associated 2) (PITPnm 2) (Pyk2 N-terminal domain-interacting receptor 3) (NIR-3),FUNCTION: Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro). Binds calcium ions (By similarity). {ECO:0000250}.
Molecular Weight:	148.0 kDa
UniProt:	Q6ZPQ6

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.

Application Details

	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. 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