

Datasheet for ABIN7554968

PITPNM1 Protein (AA 1-1244) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PITPNM1
Protein Characteristics:	AA 1-1244
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITPNM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PITPNM1 Protein expressed in mammalien cells.
Sequence:	MLIKEYHILL PMSLDEYQVA QLYMIQKKS R EESSGEGSGV EILANRPYTD GPGGSGQYTH KVYHVGSHIP GWFRALLPKA ALQVEEESWN AYPYTRTRYT CPFVEKFSIE IETYLPDGG QQPNVFNLSG AERRQRILDT IDIVRDAVAP GEYKAEEDPR LYHSVKTGRG PLSDDWARTA AQTGPLMCAY KLCKVEFRYW GMQAKIEQFI HDVGLRRV ML RAHRQAWCWQ DEWTELSMAD IRALEEETAR MLAQRMAKCN TGSEGSEAQP PGKPSTEAR S AASNTGTPDG PEAPPGPDAS PDASFGKQWS SSSRSSYSSQ HGGAVSPQSL SEWRMQNIAR DSENSSEEEF FDAHEGFSDS EEVFPKEMTK WNSNDFIDAF ASPVEAEGTP EPGAEEAKGI EDGAQAPRDS EGLDGAGELG AEACAVHALF LILHSGNILD SGPGDANSKQ ADVQTLSSAF EAVTRIH FPE ALGHVALRLV PCPPICAAAY ALVSNLSPYS HDGDSLRSRQ DHIPLAALPL LATSSSR YQG AVATVIARTN QAYS AFLRSP EGAGFCGQVA LIGDGVGGIL GFDALCHSAN AGTGSRGSSR RGSMMNELL S PEFGPVRDPL ADGVEGLGRG SPEPSALPPQ RIPS DMASPE PEGSQNSLQA APATTSSWEP

RRASTAF CPP AASSEAPDGP SSTARLDFKV SGFFFLFGSPL GLVLALRKTV MPALEAAQMR
PACEQIYNLF HAADPCASRL EPLLAPKFQA IAPLTVPRYQ KFPLGDGSSL LLADTLQTHS
SLFLEELEML VPSTPTSTSG AFWKGSELAT DPPAQPAAPS TTSEVVKILE RWWGTRIDY
SLYCPEALTA FPTVTPLPHLF HASYWESADV VAFILRQVIE KERPQLAECE EPSIYSPAFP
REKWQRKRTQ VKIRNVTSNH RASDTVVCEG RPQVLSGRFM YGPLDVVTLT GEKVDVYIMT
QPLSGKWIHF GTEVTNSSGR LTFPVPPERA LGIGVYPVRM VVRGDHTYAE CCLTVVARGT
EAVVFSIDGS FTASVSIMGS DPKVRAGAVD VVRHWQDSGY LIVVVTGRPD MQKHRVVAWL
SQHNFPHG VV SFCDGLTHDP LRQKAMFLQS LVQEVELNIV AGYGSPKDVA VYAALGLSPS
QTYIVGRAVR KLQAQCQFLS DGYVAHLGQL EAGSHSHASS GPPRAALGKS SYGVAAPVDF
LRKQS QLLRS RGPSQAEREG PGTPPTTLAR GKARSISLKL DSEE **Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PITPNM1

Alternative Name:

PITPNM1 ([PITPNM1 Products](#))

Target Details

Background: Membrane-associated phosphatidylinositol transfer protein 1 (Drosophila retinal degeneration B homolog) (Phosphatidylinositol transfer protein, membrane-associated 1) (PITPnm 1) (Pyk2 N-terminal domain-interacting receptor 2) (NIR-2),FUNCTION: Catalyzes the transfer of phosphatidylinositol (PI) between membranes (PubMed:22822086, PubMed:10531358). Binds PI, phosphatidylcholine (PC) and phosphatidic acid (PA) with the binding affinity order of PI > PA > PC (PubMed:22822086). Regulates RHOA activity, and plays a role in cytoskeleton remodeling (PubMed:11909959). Necessary for normal completion of cytokinesis (PubMed:15125835). Plays a role in maintaining normal diacylglycerol levels in the Golgi apparatus (PubMed:15723057). Necessary for maintaining the normal structure of the endoplasmic reticulum and the Golgi apparatus (PubMed:15545272). Required for protein export from the endoplasmic reticulum and the Golgi (PubMed:15723057). Binds calcium ions (PubMed:10022914). {ECO:0000269|PubMed:10022914, ECO:0000269|PubMed:10531358, ECO:0000269|PubMed:11909959, ECO:0000269|PubMed:15545272, ECO:0000269|PubMed:15723057, ECO:0000269|PubMed:22822086}.

Molecular Weight: 134.8 kDa

UniProt: [O00562](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months