

Datasheet for ABIN7562393

**PITPNM1 Protein (AA 1-1243) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PITPNM1
Protein Characteristics:	AA 1-1243
Origin:	Mouse
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 GPGGNGQYTH KVYHVGSHIP GWFRALLPKA ALQVEEESWN AYPYTRTRYT CPFVEKFSIE IETYLPDGG QQPNVFNLSG AERRQRIVDT IDIVRDAVAP GEYKAEEDPR LYRS AKTGRG PLADDWARTA AQTGPLMCAY KLCKVEFRYW GMQAKIEQFI HDVGLRRV ML RAHRQAWCWQ DEWIELSMAD IRALEEETAR MLAQRMAKCN TGSEGPEAQT PGKSSTEARP GTSTAGTPDG PEAPPGPDAS PDASFGKQWS SSSRSSYSSQ HGGGVSPQSL SEWRMQNIAR DSENSSEEEF FDAHEGFSDS DEVFPKEMTK WNSNDFIDAF ASPTEVEGVP DPTVMATKGI EDGARAPRDS EGLDGAGDLV VEACSVHALF LILHSGSILD SGPGDTNSKQ ADVQTLSTAF EAVTRVHFPE ALGHVALRLV PCPPICAAAY ALVSNLSPYS HDGDSLRSRQ DHIPLAALPL LATSSRYQG AVATVIARTN QAYAAFLRSS EGTGFCGQVV LIGDGVGGIL GFDALCHSAS AGPGSRGSSR RGS MNNEMLS PEVGPVRDPL ADGVEVLGRA SPEPSALPAQ RTFSDMANPD PDGSQNSLQV ASTATSSGEP

RRASTASCPP ASSEAPDGPT NAARLDFKVS GFFLFGSPLG LVLALRKTVM PALEVAQLRP  
ACEQIYNLFH AADPCASRL PLLAPKFQAI APLAVPRYQK FPLGDGSSLL LADTLQTHSS  
LFLEEELEMMV PSTPTSASGA FWKGSELGNE PASQTAAPST TSEVVKILDR WWGNKRIDYS  
LYCPEALTAF PTVTLPHLFH ASYWESADV AFILRQVIEK ERPQLTECEE PSYSPAFPR  
EKWQRKRTQV KIRNVTSNHR ASDTVVCEGR PQVLNGRFMY GPLDVVTLTG EKVDVYVMTQ  
PLSGKWIHFG TEVTNSSGRL TFPVPSERAL GIGVYPVRMV VRGDHTYAEC CLTVVSRGTE  
AVVFSIDGSF TASVSIMGSD PKVRAGAVDV VRHWQDSGYL IVYVTGRPDM QKHRVVAWLS  
QHNFPHGVS FCDGLTHDPL RQKAMFLQSL VQEVELNIVA GYGSPKDVAV YAALGLSPSQ  
TYIVGRAVRK LQAQCQFLSD GYVAHLGQLE AGSHSHAPSG PPRAALAKSS YAVAAPVDFL  
RKQSLLRSR GPSQVDREGP GTPPTTLARG KTRSISLKLDD SEE **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.**

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### 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

PITPNM1

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### Alternative Name:

Pitpnm1 ([PITPNM1 Products](#))

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## Target Details

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**Background:** Membrane-associated phosphatidylinositol transfer protein 1 (Drosophila retinal degeneration B homolog 1) (RdgB1) (Mpt-1) (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 (By similarity). Binds PI (PubMed:10400687). Also binds phosphatidylcholine (PC) and phosphatidic acid (PA) with the binding affinity order of PI > PA > PC (By similarity). Regulates RHOA activity, and plays a role in cytoskeleton remodeling (By similarity). Necessary for normal completion of cytokinesis (By similarity). Plays a role in maintaining normal diacylglycerol levels in the Golgi apparatus (By similarity). Necessary for maintaining the normal structure of the endoplasmic reticulum and the Golgi apparatus (By similarity). Required for protein export from the endoplasmic reticulum and the Golgi (By similarity). Binds calcium ions (By similarity). {ECO:0000250|UniProtKB:O00562, ECO:0000269|PubMed:10400687}.

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**Molecular Weight:** 134.9 kDa

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**UniProt:** [O35954](#)

## Application Details

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**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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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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

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**Handling Advice:** Avoid repeated freeze-thaw cycles.

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**Storage:** -80 °C

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**Storage Comment:** Store at -80°C.

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**Expiry Date:** 12 months