

Datasheet for ABIN7559235

PI4K2B Protein (AA 1-469) (His tag)



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Overview

Quantity:	1 mg
Target:	PI4K2B
Protein Characteristics:	AA 1-469
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PI4K2B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pi4k2b Protein expressed in mammalian cells.
Sequence:	<p>MAEACEPTRP SEDEDEEREP LLPRVAWAQP RRVAPGS AVR MQADEGADVL REPATDEPPA VSGEGSISAS LSTELDRTRT TSSETNTFLE DPEFADIVLK AEQAIEIGVF PERISQGSSG SYFVKDSKRN IIGVFKPKSE EPYGQLNPKW TKYVHKVCCP CCFGRGCLLP NQGYLSEAGA YLVDVKLN LG IVPKTKVWWL VSETFNYS AI DRAKSRGKKY ALEKVPKVGR KFHRIGLPPK VGSFQLFVKD YKEAEYWLRR FEAELPENI RKQFQSQFEK LVILDYIIRN TDRGNDNWL V KYDEMKYAKK IESEESNWID NKQLLIKIAA IDNGLAFPFK HPDEWRAYPF HAWWLPQAKV PFSEETRNL I LPYISDMNFV QDLCEDLYEL FKTDKGFDR A AFENQMSVMR GQILNLTQAL RDGKSPMQLA QMPCVIVECS KSGSQGRVVH LGSSFTQTVH CRKPFFSSW</p> <p>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.</p>

Product Details

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:

PI4K2B

Alternative Name:

Pi4k2b ([PI4K2B Products](#))

Background:

Phosphatidylinositol 4-kinase type 2-beta (EC 2.7.1.67) (Phosphatidylinositol 4-kinase type II-beta), FUNCTION: Together with PI4K2A and the type III PI4Ks (PIK4CA and PIK4CB) it contributes to the overall PI4-kinase activity of the cell. This contribution may be especially significant in plasma membrane, endosomal and Golgi compartments. The phosphorylation of phosphatidylinositol (PI) to PI4P is the first committed step in the generation of phosphatidylinositol 4,5-bisphosphate (PIP2), a precursor of the second messenger inositol 1,4,5-trisphosphate (InsP3). Contributes to the production of InsP3 in stimulated cells and is likely to be involved in the regulation of vesicular trafficking. {ECO:0000250|UniProtKB:Q8TCG2}.

Molecular Weight:

53.5 kDa

UniProt:

[Q8CBQ5](#)

Pathways:

[Inositol Metabolic Process](#)

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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Restrictions:	For Research Use only
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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