

Datasheet for ABIN7554831

PI4K2A Protein (AA 1-479) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PI4K2A
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PI4K2A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PI4K2A Protein expressed in mammalian cells.
Sequence:	MDETSPLVSP ERAQPPDYTF PSGSGAHFPQ VPGGAVRVAA AAGSGPSPPG SPGHDRERQP LLDRARGAAA QGQTQTVAQAQ AALAAQAAA AAHAAQAHRE RNEFPEDPEF EAVVRQAELA IERCIFPERI YQGSSGSYFV KDPQGRIIAV FKPKNEEPYG HLNPKWTKWL QKLCCPCCFG RDCLVLNQQY LSEAGASLVD QKLELNIVPR TKVVYLASET FNYSIDRVK SRGKRLALEK VPKVGQRFNR IGLPPKVSF QLFVEGYKDA DYWLRRFEAE PLPENTNRQL LLQFERLVVL DYIIRNTDRG NDNWLIKYDC PMDSSSSRDT DWVVVKEPVI KVAIDNGLA FPLKHPDSWR AYPFYWAWLP QAKVPFSQEI KDLILPKISD PNFVKDLEED LYELFKKDPG FDRGQFHKQI AVMRGQILNL TQALKDNKSP LHLVQMPPVI VETARSHQRS SSESYTQSFQ SRKPFFSWW 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.

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:

PI4K2A

Alternative Name:

PI4K2A ([PI4K2A Products](#))

Background:

Phosphatidylinositol 4-kinase type 2-alpha (EC 2.7.1.67) (Phosphatidylinositol 4-kinase type II-alpha), FUNCTION: Membrane-bound phosphatidylinositol-4 kinase (PI4-kinase) that catalyzes the phosphorylation of phosphatidylinositol (PI) to phosphatidylinositol 4-phosphate (PI4P), a lipid that plays important roles in endocytosis, Golgi function, protein sorting and membrane trafficking and is required for prolonged survival of neurons. Besides, phosphorylation of phosphatidylinositol (PI) to phosphatidylinositol 4-phosphate (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). {ECO:0000269|PubMed:11279162, ECO:0000269|PubMed:16443754, ECO:0000269|PubMed:20388919, ECO:0000269|PubMed:23146885, ECO:0000269|PubMed:24675427, ECO:0000269|PubMed:25168678, ECO:0000305}.

Molecular Weight:

54.0 kDa

UniProt:

[Q9BTU6](#)

Target Details

Pathways: [Inositol Metabolic Process](#), [Synaptic Membrane](#)

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