

Datasheet for ABIN7564080
INPP4B Protein (AA 1-924) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | INPP4B |
| Protein Characteristics: | AA 1-924 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This INPP4B protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat Inpp4b Protein expressed in mammalien cells. |
| Sequence: | MEIKEEGTSE EGQHFLPAAQ ANDPEDIQFT SIQKIPNEPQ LEFILACRDL VAPVSDRKLN TVVQISVIHP VEQTLTRYSS TEIVEGTDKDP LFLTGVTFFPP DYPIYEETRI KLTVYDVKDK SHDTRSFLGC ASFKVGELLK SKEQLLSLSL RTSDGGKVVG TIEVSLVKMG EIEDGDTDHI TTDVQGQKCA LMYESTAPES LSGKENLPFM NAVLRNPVCK LYRFPTSDNK WMRIREQMSE SILSFHIPKE LISLHIKEDL CRNQELKELG DLSPHWDNLR KNVLSHCDQM VTMYQDILTE LSKETGSSFK SSSSKGEKTL EFVNVNHLQ RMQVHSPHLK DALYDVITVG APAAHFQGFK NGGLRKLHR FETERRNTGY QFIYSPENT AKAKEVLSSI NQLQPLIATH ADLLLTSASQ RSPDSLKSSL KLLSEKTELF VHAFKQLVR SALLALYTAR PGGILKKPPS PNVSTEEKST QHDPQLRRQ DSIPHHSDYD EEEWDRVWAN VGKSLNCIIA KVDKLIERDS HNEEGAGGSS SKDGEADHTL EDSITSHPRE DWYEQHLPLI LTLKECMGEV VNRAKQSLTF VLLQELAYSL PQCLMLTLRR DIVFSQALAG LVCGFIKHLH TSLHDPGFLQ QLHTVGLIVQ YEGLLSTYSYD |

Product Details

EIGMLEDMAV GISDLRKVAF KITEATSNDV LPVLTGRREH YVVEVKLPAT VFESLPLQIK
EGQLLHVYPV LFNVGINEQQ TLAERFGDVS LQESINQENF ELVQEYYSIF MEKMPPDYIS
HFQEQTDLKG LLDNLHQNIQ AKKRKNVEIM WLAATICRKL NGIRFTCKKS AKDRTSMSVT
LEQCSILRDE HQLHKDFFIR ALDCMRSRQT QGALNESDDP ETGCLTDNKP TSRHFYPVAL
LLVSSHLLVV WLILSLALLL AKYQ **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:

INPP4B

Alternative Name:

Inpp4b ([INPP4B Products](#))

Background:

Type II inositol 3,4-bisphosphate 4-phosphatase (EC 3.1.3.66) (Inositol polyphosphate 4-phosphatase type II),FUNCTION: Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate (By similarity). Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (By similarity). Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides

Target Details

and thereby modulating cell cycle progression and cell survival (By similarity).
{ECO:0000250|UniProtKB:O15327, ECO:0000250|UniProtKB:Q9QWG5}.

Molecular Weight: 104.5 kDa

UniProt: [Q6P1Y8](#)

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