

Datasheet for ABIN7554159

INPP4B Protein (AA 1-924) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	INPP4B
Protein Characteristics:	AA 1-924
Origin:	Human
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 mammalian cells.
Sequence:	<p>MEIKEEGASE EGQHFLPTAQ ANDPGDCQFT SIQKTPNEPQ LEFILACKDL VAPVRDRKLN</p> <p>TLVQISVIHP VEQSLTRYSS TEIVEGTRDP LFLTGVTFPS EYPIYEETKI KLTVDYDKDK</p> <p>SHDVTVRTSVL PEHKDPPPEV GRSFLGYASF KVGELLKSKE QLLVLSLRTS DGGKVVGITIE</p> <p>VSVVKMGEIE DGEADHITTD VQGQKCALVC ECTAPESVSG KDNLPFLNSV LKNPVCKLYR</p> <p>FPTSDNKWMR IREQMSESIL SFHIPKELIS LHIKEDLCRN QEIKELGELS PHWDNLRKNV</p> <p>LTHCDQMVMNM YQDILTELSK ETGSSFKSSS SKGEKTLEFV PINLHLQRMQ VHSPHLKDAL</p> <p>YDVITVGAPA AHFQGFKNGG LRKLLHRFET ERRNTGYQFI YYSPENTAKA KEVLSNINQL</p> <p>QPLIATHADL LLNSASQHSP DSLKNSLKML SEKTELFVHA FKDQLVRSAL LALYTARPGG</p> <p>ILKKPPSPKS STEESSPDQ PPVMRGQDSI PHHSDYDEEE WDRVWANVGK SLNCIAMVD</p> <p>KLIERDGGSE GSGGNNDGEK EPSLTDAIPS HPREDWYEQL YPLILTLKDC MGEVVNRAKQ</p> <p>SLTFVLLQEL AYSLPQCLML TLRRDIVFSQ ALAGLVCGFI IKLQTSLYDP GFLQQLHTVG</p>

LIVQYEGLLS TYSDEIGMLE DMAVGISDLK KVAFKIIEAK SNDVLPVITG RREHYVVEVK
LPARMFESLP LQIKEGQLLH VYPVLFNVI NEQQTAEERF GDVSLQESIN QENFELLQEY
YKIFMEKMPP DYISHFQEQN DLKALLENLL QNIQSKKRKN VEIMWLAATI CRKLNGIRFT
CCKSAKDRTS MSVTLEQCSI LRDEHQLHKD FFIRALDCMR REGCRIENVL KNIKCRKYAF
NMLQLMAFPK YYRPPEGTYG KADT **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:

Inositol polyphosphate 4-phosphatase type II (Type II inositol 3,4-bisphosphate 4-phosphatase) (EC 3.1.3.66), FUNCTION: Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-trisphosphate (PubMed:24070612, PubMed:24591580). Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (PubMed:24591580). The lipid phosphatase activity is critical for tumor suppressor

Target Details

	function. Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival (PubMed:19647222, PubMed:24070612). {ECO:0000269 PubMed:19647222, ECO:0000269 PubMed:24070612, ECO:0000269 PubMed:24591580}.
Molecular Weight:	104.7 kDa
UniProt:	O15327

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