Datasheet for ABIN7564539

INPP5F Protein (AA 1-1132) (His tag)

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Overview

Quantity:	1 mg
Target:	INPP5F
Protein Characteristics:	AA 1-1132
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INPP5F protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Inpp5f Protein expressed in mammalien cells.
Sequence:	MELFQAKDHY ILQQGERALW CSRRDGGLQL RPATDLLLAW NPICLGLVEG VIGKIQLHSD LPWWLILIRQ KALVGKLPGD HEVCKVTKIA VLSLSEMEPQ ELELELCKKH HFGINKPEKI IPSPDDSKFL LKTFTNIKSN VSAPNKKKVK ESKEKEKLER RLLEELLKMF MDSESFYYSL TYDLTNSVQR QSTGERDGRP LWQKVDDRFF WNKYMIQALT EIGTPDVDFW IIPIIQGFVQ IEELVVNYNE SSDDDKSSPE TPPQDSTCVD DIHPRFLVAL ISRRSRHRAG MRYKRRGVDK NGNVANYVET EQLIHVHHHT LSFIQTRGSV PVFWSQVGYR YNPRPRLDKS EKETVDCFCA HFEEQLKIYK KQVIVNLVDQ AGREKIIGDA YLKQVLLFNN PKLTYVSFDF HEHCRGMKFE NVQTLTDAIH DIIIDMKWCW VDQAGVICKQ EGIFRVNCMD CLDRTNVVQA AIARVVMEQQ LKKLGVMPPE QPLPVKCNRT YQIMWANNGD SISRQYAGTA ALKGDFTRTG ERKLAGVMKD GVNSANRYYL SRFKDAYRQA VIDLMQGVPV TEDLYSIFTK EKEHEALHKE SQRSHQELIS QLLQSYMQLL LPGDEKFHGG WALVDCDPSL TDAAHRDVEV LLLLSNAAYY VAYYDDEVDK

Product Details

	VNQYQRLGLE DLERIEIGPE PTLFGKPKFS CMRLHYRCKE AGGYFHTLRA VPRSPEEDGK DTLQCIAEML QITKQAMGLD VPIIEKKLER KSSKPHEDII GIRSQNQGSL AQGKSFLMSK FSSLNQKVKQ TKSNVNIGNL RKLGNFTKPE MKVNFLKPNL KVNLWKSDSS LETMENPGVM GNKVQGESDG DISSDNDSYH SDEFLTNSKS EEDKQLANSL ESVGPIDYIL PSCGIIVSAP RLGSRSQSAS SIDVSTHAPS EAAAGPGSEL GKGLESPLKK SPSADSIHTR TGFTKPMDVY CQRFVQDAQN KMNDLSEIRS VAQKSEEGSH KTNRVSNEET QSEPMGQTPP RPSQLNVSCS VAGPPFLSVE PVHSVLSQKT PSSGSSLLEL EAGLCVTPSS ESSSSRAVSP FAKIRSSMVQ VANITQAGLT HGINLAVAKV QKSPAEPEAV NEIQQNELKN MFTQCQTRII QI **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 mammalien 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:	INPP5F
Alternative Name:	Inpp5f (INPP5F Products)
Background:	Phosphatidylinositide phosphatase SAC2 (EC 3.1.3.25) (Inositol polyphosphate 5-phosphatase F) (Sac domain-containing inositol phosphatase 2) (Sac domain-containing phosphoinositide 4-

Target Details

	phosphatase 2) (hSAC2),FUNCTION: Inositol 4-phosphatase which mainly acts on phosphatidylinositol 4-phosphate. May be functionally linked to OCRL, which converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol, for a sequential dephosphorylation of phosphatidylinositol 4,5-bisphosphate at the 5 and 4 position of inositol, thus playing an important role in the endocytic recycling (PubMed:25869668, PubMed:25869669). Regulator of TF:TFRC and integrins recycling pathway, is also involved in cell migration mechanisms (By similarity). Modulates AKT/GSK3B pathway by decreasing AKT and GSK3B phosphorylation (PubMed:17322895). Negatively regulates STAT3 signaling pathway through inhibition of STAT3 phosphorylation and translocation to the nucleus (By similarity). Functionally important modulator of cardiac myocyte size and of the cardiac response to stress (PubMed:19875726). May play a role as negative regulator of axon regeneration after central nervous system injuries (PubMed:26203138). {ECO:0000250|UniProtKB:Q9Y2H2, ECO:0000269|PubMed:17322895, ECO:0000269|PubMed:19875726, ECO:0000269|PubMed:25869668, ECO:0000269|PubMed:25869669, ECO:0000269|PubMed:26203138}.
Molecular Weight:	127.6 kDa
UniProt:	Q8CDA1

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