

Recombinant Human INPP5F Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. INPP5F-5409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	INPP5F MS Standard C13 and N15-labeled recombinant protein (NP_055752) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	128.2 kDa
AA Sequence	MELFQAKDHYILQQGERALWCSRRDGGGLQLRPATDLLLAWNPICLGLVEGVIGKIQL HSDLPWWLILIRQKALVGKLPGDHEVCKVTKIAVLSLSEMEPQDLELELCKKHHFGIN KPEKIIPSPDDSKFLLKTFTHIKSNVSAPNKKKVKEKEKEKLERRLLEELLKMFMDSE SFYYSLTYDLTNSVQRQSTGERDGRPLWQKVDDRFFWNKYMIQDLTEIGTPDVDF WIIPMIQGFVQIEELVVNYTESSDDEKSSPETPPQESTCVDIIHPRFLVALISRSRHR AGMRYKRRGVDKNGNVANYVETEQLIHVHNHTLSFVQTRGSVPVFWSQVGYRYNP RPRLDREKETVAYFCAHFEEQLNIYKKQVIINLVDQAGREKVIGDAYLKQVLLFNNS HLTYVSFDFHEHCRGMKFENVQTLTDAIYDIILDMKWCWVDEAGVICKQEGIFRVNC

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MDCLDRTNVVQAAIARVVMEQQLKKLGVMPEQPLPVKCNRIYQIMWANNGDSISR
 QYAGTAALKGDFTRTGERKLAGVMKDGVNSANRYYLNRFKDAYRQAVIDLMOGIPV
 TEDLYSIFTKEKEHEALHKNQRSHQELISQLLQSYMKLLLPDDEKFHGGWALIDCD
 PSLIDATHRDVDVLLLLSNSAYYVAYYDDEVDKVNQYQRLSLENLEKIEIGPEPTLFG
 KPKFSCMRLHYRYKEASGYFHTLRAVMRNPEEDGKDTLQCIAEMLQITKQAMGSDL
 PIIKKLERKSSKPHEDIIGIRSQNQGSQAQGNFLMSKFSSLNQKVKQTKSNVNIGNL
 RKLGNFTKPEMKVNFLKPNLKVNLWKSDSSLETMENTGVMDKVQAESDGMSSDN
 DSYHSDEFLTNSKSDedrQLANSLESVGPIDYVLPSCGIIASAPRLGSRSSLSSTDS
 SVHAPSEITVAHGSGLGKGQESPLKKSPSAGDVHILTGFAPMDIYCHRFVQDAQNK
 VTHLSETRSVSQASQERNQMTNQVSDetQSESTEQTPSRPSQLDVLSLSTGPQF
 LSVEPAHSVASQKTPTSASSMLELETGLHVTPSPSESSSSRAVSPFAKIRSSMVQVA
 SITQAGLTHGINFAVSKVQKSPPEPEIINQVQQNELKKMFIQCQTRIQQITRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name INPP5F inositol polyphosphate-5-phosphatase F [Homo sapiens (human)]

Official Symbol INPP5F

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Synonyms	INPP5F; inositol polyphosphate-5-phosphatase F; phosphatidylinositide phosphatase SAC2; hSac2; KIAA0966; SAC2; Sac domain-containing inositol phosphatase 2; sac domain-containing phosphoinositide 5-phosphatase 2; hSAC2; MSTP007; MSTPO47; FLJ13081; MGC59773; MGC131851;
Gene ID	22876
mRNA Refseq	NM_014937
Protein Refseq	NP_055752
MIM	609389
UniProt ID	Q9Y2H2
SDS-PAGE	