Recombinant Full Length Human INPP5B Protein

Cat. No. INPP5B-258HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human INPP5B with N terminal proprietary tag. Predicted MW 108.35 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	748 amino acids
Description	Cellular calcium signaling is controlled by the production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). This gene encodes the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Form	Liquid
Molecular Mass	108.350kDa inclusive of tags
AA Sequence	MDQSVAIQETLAEGEYCVIAVQGVLCEGDSRQSRLLGLVR YRLEHGGQEHALFLYT HRRMAITGDDVSLDQIVPVSRDFT LEEVSPDGELYILGSDVTVQLDTAELSLVFQLPF GSQTRM FLHEVARACPGFDSATRDPEFLWLSRYRCAELELEMPTPR GCNSALVT

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	WPGYATIGGGGSNFDGLRPNGKGVPMDQSSRG QDKPESLQPRQNKSKSEITDMV RSSTITVSDKAHILSMQK FGLRDTIVKSHLLQKEEDYTYIQNFRFFAGTYNVNGQSPK ECLRLWLSNGIQAPDVYCVGFQELDLSKEAFFFHDTPKEE EWFKAVSEGLHPDAKY AKVKLIRLVGIMLLLYVKQEHAAY ISEVEAETVGTGIMGRMGNKGGVAIRFQFHNTSI CVVNSH LAAHIEEYERRNQDYKDICSRMQFCQPDPSLPPLTISNHD VILWLGDLNY RIEELDVEKVKKLIEEKDFQMLYAYDQLKI QVAAKTVFEGFTEGELTFQPTYKYDTGS DDWDTSEKCRAP AWCDRILWKGKNITQLSYQSHMALKTSDHKPVSSVFDIGV RVV NDELYRKTLEEIVRSLDKMENANIPSVSLSKREFCFQ NVKYMQLKVESFTIHNGQVP CHFEFINKPDEESYCKQWLN ANPSRGFLLPDSDVEIDLELFVNKTTATKLNSGEDKI EDI LVLHLDRGKDYFLSVSGNYLPSCFGSPIHTLCYMREPILD LPLETISELLAYLAAY CFETQLVTKSLI
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	INPP5B inositol polyphosphate-5-phosphatase, 75kDa [Homo sapiens]
Official Symbol	INPP5B
Synonyms	INPP5B; inositol polyphosphate-5-phosphatase, 75kDa; inositol polyphosphate 5 phosphatase, 75kD; type II inositol-1,4,5-trisphosphate 5-phosphatase
Gene ID	3633
mRNA Refseq	NM_005540

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Protein Refseq	NP_005531
MIM	147264
UniProt ID	P32019

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