

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	MDQSVAIQETLAEGEYCVIAVQGVLCEGDSRQSRLGLVR YRLEHGGQEHALFLYT HRRMAITGDDVSLDQIVPSRDFT LEEVSPDGELYILGSDVTVQLDTAELSLVFQLPF GSQTRM FLHEVARACPGFDSATRDPEFLWLSRYRCAELELEMPTR GCNSALVT

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WPGYATIGGGGSNFDGLRPNGKGVPMQSSRG QDKPESLQPRQNKSKSEITDMV
 RSSTITVSDKAHILSMQK FGLRDTIVKSHLLQKEEDYTYIQNFRFFAGTYNVNGQSPK
 ECLRLWLSNGIQAPDVYCVGFQELDLSKEAFFFHDTPKEE EWFKAVSEGLHPDAKY
 AKVKLIRLVGIMLLLYVKQEHAAY ISEVEAETVGTGIMGRMGNGKGGVAIRFQFHNTSI
 CVVNSH LAAHIEEYERRNQDYKDICSRMQFCQPDPSLPLTISNHD VILWLGDLNY
 RIEELDVEKVKLIEEKDFQMLYAYDQLKI QVAAKTVFEGFTEGELTFQPTYKYDTGS
 DDWDTSEKCRAP AWCDRILWKGKNITQLSYQSHMALKTSDHKPVSSVFDIGV RVV
 NDELYRKTLEEIVRSLDKMENANIPSVLSKREFCFQ NVKYMQLKVESFTIHNGQVP
 CHFEFINKPDEESYCKQWLN ANPSRGFLLPDSDEIDLELFFVNKTTATKLNSGEDKI
 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
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MIM	147264
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UniProt ID	P32019
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