Recombinant Full Length Human INPP5B Protein, GST-tagged

Cat. No. INPP5B-5954HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human INPP5B full-length ORF (AAH58932.1, 1 a.a. - 748 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq
Molecular Mass	111.4 kDa
AA Sequence	MDQSVAIQETLAEGEYCVIAVQGVLCEGDSRQSRLLGLVRYRLEHGGQEHALFLYT HRRMAITGDDVSLDQIVPVSRDFTLEEVSPDGELYILGSDVTVQLDTAELSLVFQLPF GSQTRMFLHEVARACPGFDSATRDPEFLWLSRYRCAELELEMPTPRGCNSALVTW PGYATIGGGGSNFDGLRPNGKGVPMDQSSRGQDKPESLQPRQNKSKSEITDMVRS STITVSDKAHILSMQKFGLRDTIVKSHLLQKEEDYTYIQNFRFFAGTYNVNGQSPKEC

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	LRLWLSNGIQAPDVYCVGFQELDLSKEAFFFHDTPKEEEWFKAVSEGLHPDAKYAK VKLIRLVGIMLLLYVKQEHAAYISEVEAETVGTGIMGRMGNKGGVAIRFQFHNTSICV VNSHLAAHIEEYERRNQDYKDICSRMQFCQPDPSLPPLTISNHDVILWLGDLNYRIEE LDVEKVKKLIEEKDFQMLYAYDQLKIQVAAKTVFEGFTEGELTFQPTYKYDTGSDDW DTSEKCRAPAWCDRILWKGKNITQLSYQSHMALKTSDHKPVSSVFDIGVRVVNDEL YRKTLEEIVRSLDKMENANIPSVSLSKREFCFQNVKYMQLKVESFTIHNGQVPCHFE FINKPDEESYCKQWLNANPSRGFLLPDSDVEIDLELFVNKTTATKLNSGEDKIEDILVL HLDRGKDYFLSVSGNYLPSCFGSPIHTLCYMREPILDLPLETISELLAYLAAYCFETQL VTKSLI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; phosphoinositide 5-phosphatase; 75 kDa inositol polyphosphate-5-phosphatase; type II inositol-1,4,5-trisphosphate 5-phosphatase; 5PTase; MGC65156; MGC71303;

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Gene ID	3633
mRNA Refseq	NM_005540
Protein Refseq	NP_005531
MIM	147264
UniProt ID	P32019

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