

Recombinant Human INPP5B cell lysate

Cat. No. INPP5B-861HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	INPP5B inositol polyphosphate-5-phosphatase, 75kDa [Homo sapiens]
Official Symbol	INPP5B

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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;
Gene ID	3633
mRNA Refseq	NM_005540
Protein Refseq	NP_005531
MIM	147264
UniProt ID	P32019
Chromosome Location	1p34
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, organism-specific biosystem;
Function	hydrolase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; phosphatidylinositol-4,5-bisphosphate 5-phosphatase activity; protein binding;