Recombinant Human INPP5A

Cat. No. INPP5A-27622TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragmentcorresponding to aa 288-387 of Human INPP5A with N terminal proprietary tag; Q14642,
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene is a membrane-associated type I inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Brain; high level in Purkinje cells.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	YFNQEVFRDNNGTALLEFDKELSVFKDRLYELDISFPPSYPYSEDARQGEQYMNTR CPAWCDRILMSPSAKELVLRVSVCCPSPGHRGMWSAGSGLAQPW
Sequence Similarities	Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type I family.

GENE INFORMATION

Gene Name	INPP5A inositol polyphosphate-5-phosphatase, 40kDa [Homo sapiens]
Official Symbol	INPP5A
Synonyms	INPP5A; inositol polyphosphate-5-phosphatase, 40kDa; inositol polyphosphate 5 phosphatase, 40kD; type I inositol-1,4,5-trisphosphate 5-phosphatase; 5PTASE; 43 kDa inositol polyphosphate 5 phophatase; CTCL tumor antigen HD CL 02; inositol polyphosphate 5 p
Gene ID	3632
mRNA Refseq	NM_005539
Protein Refseq	NP_005530
MIM	600106
Uniprot ID	Q14642
Chromosome Location	10q26.3

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Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem;
Function	PH domain binding; hydrolase activity; inositol 1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity;

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