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Datasheet for ABIN1945459

INPP5A Protein (AA 1-410) (His tag)

Overview

Quantity:	50 µg
Target:	INPP5A
Protein Characteristics:	AA 1-410
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INPP5A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Type I Inositol 1,4,5-Trisphosphate 5-Phosphatase/INPP5A (C-6His)
Sequence:	MAGKAAAPGT AVLLVTANVG SLFDDPENLQ KNWLREFYQV VHTHKPHFMA LHCQEFGGKN YEASMSHVDK FVKELLSSDA MKEYNRARVY LDENYKSQEH FTALGSFYFL HESLKNIIYQF DFKAKKYRKV AGKEIYSDTL ESTPMLEKEK FPQDYFPECK WSRKGFIRTR WCIADCAFDL VNIHLFHDAS NLVAWETSPS VYSGIRHKAL GYVLDRIIDQ RFEKVSFYVF GDFNFRLLDSK SVVETLCTKA TMQTVRAADT NEVVKLIFRE SDNDRKVMLQ LEKKLFDYFN QEVFRDNNGT ALLEFDKELS VFKDRLYELD ISFPPSYPPS EDARQGEQYM NTRCPAWCDR ILMSPSAKEL VLRSESEEEKV VTYDHIGPNV CMGDHKPVFL AFRIMPGAGK PHAHVHKCCV DHHHHHHH
Characteristics:	Recombinant Human INPP5A is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 1-410) of Human INPP5A fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	INPP5A
Alternative Name:	INPP5A (INPP5A Products)
Background:	Type I inositol 1,4,5-trisphosphate 5-phosphatase is a 412 amino acids protein that belongs to the inositol 1,4,5-trisphosphate 5-phosphatase type I family. Type I inositol-1,4,5-trisphosphate 5-phosphatase is an enzyme that in humans is encoded by the INPP5A gene. It is expressed in brain and high level in Purkinje cells. 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:	48.5 kDa
UniProt:	Q14642

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months