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Datasheet for ABIN7318622 INPP1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	INPP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INPP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human INPP1 Protein (His Tag)
Sequence:	Met 1-Thr399
Characteristics:	Recombinant Human Inositol Polyphosphate 1-Phosphatase is produced by our Mammalian expression system and the target gene encoding Met1-Thr399 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	INPP1
Alternative Name:	INPP1 (INPP1 Products)
Background:	Background: Inositol Polyphosphate 1-Phosphatase (INPP1) is a member of the inositol monophosphatase family. INPP1 is widely expressed in tissues, with highest expression levels

Target Details

observed in the pancreas and kidney. INPP1 is inhibited by Li⁺. Removing the phosphate group at position 1 of the inositol ring from the polyphosphates inositol 1,4-bisphosphate and inositol 1,3,4-trisphosphate. INPP1 is involved in signal transduction and phosphatidylinositol signaling pathway.

Synonym: Inositol Polyphosphate 1-Phosphatase, IPP, IPPase, INPP1

Molecular Weight: 45.0 kDa

UniProt: [P49441](#)

Pathways: [Response to Water Deprivation](#), [Photoperiodism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.