Recombinant Human INPP1 Protein (His Tag)

Catalog No. PKSH032592

Note: Centrifuge before opening to ensure complete recovery of vial contents.

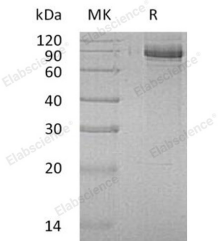
Description

Synonyms	Inositol Polyphosphate 1-Phosphatase;IPP;IPPase;INPP1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Thr399
Accession	P49441
Calculated Molecular Weight	45.0 kDa
Observed molecular weight	40-50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, 5% Trehalose, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Inositol Polyphosphate 1-Phosphatase (INPP1) is a member of the inositol monophosphatase family. INPP1 is widely

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expressed in tissues, with highest expression levels 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-trisphophosphate. INPP1 is involved in signal transduction and phosphatidylinositol signaling pathway.

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