

## Recombinant Human INPP5A Protein (His Tag)

**Catalog No.** PKSH033170

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

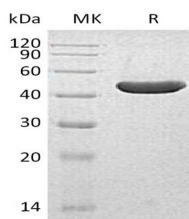
### Description

<b>Synonyms</b>	Type I inositol 1,4,5-trisphosphate 5-phosphatase;INPP5A
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Val410
<b>Accession</b>	Q14642
<b>Calculated Molecular Weight</b>	48.7 kDa
<b>Observed molecular weight</b>	45 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.

### For Research Use Only