

## 32-8429: Recombinant Human Type I Inositol 1,4,5-Trisphosphate 5-Phosphatase/INPP5A (C-6His)

**Gene :** INPP5A

**Gene ID :** 3632

**Uniprot ID :** Q14642

### Description

Source: Human Cells.

MW :48.5kD.

Recombinant Human INPP5A is produced by our Mammalian expression system and the target gene encoding Met1-Val410 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MAGKAAAPGTAVLLVTANVGSFDDPENLQKNWLREFYQVVHCHKPHFMALHCQEFGGKNYEAS  
MSHVDKFKVKELLSSDAMKEYNRARVYLDENYKSQEHFTALGSFYFLHESLKNYQDFKAKKYRKV  
AGKEIYSDTLESTPMLEKEKFPQDYFPECKWSRKGFIWTRWCIADCAFDLVNIHLFHDASNLVAWE  
TSPSVYSGIRHKALGYVLDRIIDQRFKVSFVFGDFNFRLDKSVVETLCTKATMQTVRAADTNEV  
VKLIFRESNDRKVMLQLEKKLFDYFNQEVFRDNNGTALLEFDKELSVFKDRLYELDISFPPSYPS  
EDARQGEQYMNTRCPAWCDRILMSPSAKELVLRSESEEKVVTYDHIGPNVCMGDHKKPVFLAFRIM  
PGAGKPHAHVHKCCVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.