

## 32-7722: Recombinant Human Inositol Polyphosphate 1-Phosphatase/INPP1 (C-6His)

**Gene :** INPP1  
**Gene ID :** 3628  
**Uniprot ID :** P49441

### Description

Source: Human Cells.  
MW :45kD.

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. Inositol Polyphosphate 1-Phosphatase (INPP1) is a member of the inositol monophosphatase family. INPP1 is widely expressed in tissues, with highest expression levels observed in the pancreas and kidney. INPP1 is inhibited by Li<sup>+</sup>. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MSDILRELLCVSEKAANIARACRQEQALFQLLIEEKKEGEKNKKFAVDFKTLADVLVQEVKQNMENKFPGLEKNI  
FGEESNEFTNDWGEKITLRLCSTEEETAELLSKVLNGNKVASEALARVVHQDVAFTDPTLDSTEINVPQDILGIW  
VDPIDSTYQYIKGSADIKSNQGFPCGLQCVTLIGVYDIQTGVPLMGVINQPFVSRDPNTRLRWKGQCYWGLSYM  
GTNMHSLQLTISRNGSEHTGTGNTGSEAAFSPFSAVISTSEKETIKAALSRVCGDRIFGAAGAGYKSLCVVQGL  
VDIYIFSEDTTFKWDSAAHAILRAMGGGIVDLKECLERNPETGLDLPQLVYHVENEGAAGVDRWANKGGLIAY  
RSRKRLETFLSLLVQNLAPAETHTVDDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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