

## Product datasheet for **TP322083L**

### INPP5A (NM\_005539) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222083 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAGKAAAPGTAVLLVTANVGSFLDDPENLQKNWLREFYQVWHTHKPHFMALHCQEFGGKNYEASMSHVDK FVKELLSSDAMKEYNRARVYLDENYKSQEHFTALGSFYFLHESLKNYQFDFKAKKYRQVAGKEIYSDTL ESTPMLEKEKFPQDYFPECKWSRKGFI RTRWCIADCAFDLVNIHLFHIDASNLVAVETSPSVYSGIRHKAL GYVLDRIIDQRFKVSYFVFGDFNFRLDSKSVETLCTKATMQTVRAADTNEVVKLIFRESNDRKVMLQ LEKKLFDYFNQEVFRDNGTALLEFDKELSVFKDRLYELDISFPPSYSEDARQGEQYMNTRCPAWCDR ILMSPSAKELVLRSESEEKVVTYDHIGPNVCMGDHKPVFLAFRIMP GAGKPHAHVHKCCVVQ</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	47.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005530</a>
Locus ID:	3632



[View online »](#)

UniProt ID: [Q14642](#)

RefSeq Size: 2938

Cytogenetics: 10q26.3

RefSeq ORF: 1236

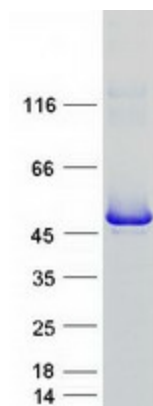
Synonyms: 5PTASE

**Summary:** The protein encoded by this gene is a membrane-associated type I inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified INPP5A protein (Cat# [TP322083]). The protein was produced from HEK293T cells transfected with INPP5A cDNA clone (Cat# [RC222083]) using MegaTran 2.0 (Cat# [TT210002]).