

Product datasheet for TP322083

INPP5A (NM_005539) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC222083 protein sequence Red =Cloning site Green =Tags(s) |

MAGKAAAPGTAVLLVTANVGSFLDPPENLQKNWLREFYQVHHTHKPHFMALHCQEFGGKNYEASMSH
VDK

FVKELLSSDAMKEYNRARVYLDENYKSQEHFTALGSFYFLHESLKNIYQDFKAKKYRKVAGKEIYSDTL
ESTPMLEKEKFPQDYFPECKWSRKGFIIRTRWCIADCAFDLVNIHLFHDASNLVAVETSPSVYSGIRHKAL
GYVLDRIIDQRFKVSFVFGDFNFRLDSKSWETLCTKATMQTVRAADTNEVVKLIFRESNDNRKVMLQ
LEKKLFDYFNQEVFRDNNGTALLEFDKELSVFKDRLYELDISFPPSYSEDARQGEQYMNTRCPAWCDR
ILMSPSAKELVLRSEEEKVVTYDHIGPNVCMGDHKKPVFLAFRIMPGAGKPHAHVHKCCVVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| 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. |



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RefSeq: [NP_005530](#)

Locus ID: 3632

UniProt ID: [Q14642](#)

RefSeq Size: 2938

Cytogenetics: 10q26.3

RefSeq ORF: 1236

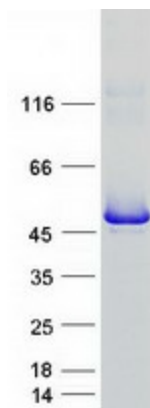
Synonyms: 5PTASE

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]).