

## Product datasheet for **TP318886**

### INPP4A (NM\_001566) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human inositol polyphosphate-4-phosphatase, type I, 107kDa (INPP4A), transcript variant b, 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC218886 representing NM\_001566  
**Red**=Cloning site **Green**=Tags(s)

MTAREHSPRHGARARAMQRASTIDVAADMLGLSLAGNIQDPDEPILEFSLACSELHTPSLDRKPNSFVAV  
SVTTPPQAFWTKHAQTEIIEGTNNPIFLSSIAFFQDSLINQMTQVKLSVYDVKDRSQGTMVLLGSGTFIV  
KDLLQDRHRLHLTLRSAESDRVGNITVIGWQMEEKSDQRPPVTRSVDTVNGRMVLPVDESALTEALGIRS  
KYASLRKDTLLKSVFGAICRMYRFPTTDGNHLRILEQMAESVLSLHVPRQFVKLLLEEDAARVCELEEL  
GELSPCWESLRRQIVTYQTIILTYQENLTLHQYRGPSEKASSLKADKKLEFVPTNLHIQRMVQDDGG  
SDQNYDIVTIGAPAAHCQGFKSGGLRKKLHKFEETKKHFEECCTSSGCQSIYIPQDVRAKEIIAQINT  
LKTQVSYYAERLSRAAKDRSATGLERTLAILADKTRQLVTVCDCKLLANSIHGLNAARPDYIASKASPTS  
TEEEQVMLRNDQDTLMARWTGRNSRSSLQVDWHEEEWEKVWLVNVDKSLECIQRVDKLLQKERLHGECE  
DVFPAGSCTSKKDCSPPEESSPGEWSEALYPLLTLDVAMMSDKAKKAMVFLMQDSAPTATYLS  
LQYRRDVVFCQTLTALICGFIIKLRNCLHDDGFLRQLYTIGLLAQFESLLSTYGEELAMLEDMSLGIMDL  
RNVTFKVTQATSSASADMLPVITGNRDGFNVRVPLPGPLFDALPREIQSGMLLRVQPVLFVNGINEQQL  
AERFGDTSLQEVINVESLVRNLSYFEQFKEVLPEDCLPRSRSTCLPELLRFLGQNVHARKNKNVDILWQ  
AAEICRRLNGVRFTSCKSAKDRTAMSVTLEQCLILQHEHGMAPQVFTQALECMRSIGTREVVTQKNLSGL  
VPIRDLRLDPSLLCSIPLLALSPLLIVWLFSLIAYLVTKLRCK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

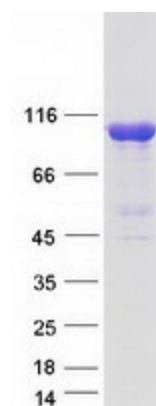
**Tag:** C-Myc/DDK  
**Predicted MW:** 107.1 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001557</a>
<b>Locus ID:</b>	3631
<b>UniProt ID:</b>	<a href="#">Q96PE3</a>
<b>RefSeq Size:</b>	3224
<b>Cytogenetics:</b>	2q11.2
<b>RefSeq ORF:</b>	2862
<b>Synonyms:</b>	INPP4; TVAS1
<b>Summary:</b>	This gene encodes an Mg <sup>++</sup> independent enzyme that hydrolyzes the 4-position phosphate from the inositol ring of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate. Multiple transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Aug 2008]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified INPP4A protein (Cat# TP318886). The protein was produced from HEK293T cells transfected with INPP4A cDNA clone (Cat# [RC218886]) using MegaTran 2.0 (Cat# [TT210002]).