

Product datasheet for **TP318886L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218886 representing NM_001566 Red =Cloning site Green =Tags(s)

MTAREHSPRHGARARAMQRASTIDVAADMLGLSLAGNIQDPDEPILEFSLACSELHTPSLDRKPNSFVAV
SVTTPPQAFWTKHAQTEIIEGTNNPIFLSSIAFFQDSLINQMTQVKLSVYDVKDRSQGTMYPVLLGSGTFIV
KDLLQDRHRLHLTLRSAESDRVGNITVIGWQMEEKSDQRPPVTRSVDTVNGRMVLPVDESALTEALGIRS
KYASLRKDTLLKSVFGAICRMYRFPPTDGNHLRILEQMAESVLSLHVPRQFVKLLLEEDAARVCELEEL
GELSPCWESLRRQIVTYQTIILTYQENLTLHQYRGPSEKASSLKADKKLEFVPTNLHIQRMVQDDGG
SDQNYDIVTIGAPAAHCQGFKSGGLRKKLHKFEETKKHFEECTSSGCQSIYIPQDVRAKEIIAQINT
LKTQVSYAERLSRAAKDRSATGLERTLAILADKTRQLVTVCDCKLLANSIHGLNAARPDYIASKASPTS
TEEEQVMLRNDQDTLMARWTGRNSRSSLQVDWHEEEWEKVWLNVDKSLECIQRVDKLLQKERLHGECE
DVFPAGSCTSKKDCSPPEESSPGEWSEALYPLLTLDVAMMSDKAKKAMVFLLMQDSAPTIATYLS
LQYRRDVVFCQTLTALICGFIIKLRNCLHDDGFLRQLYTIGLLAQFESLLSTYGEELAMLEDMSLGIMDL
RNVTFKVTQATSSASADMLPVITGNRDGFNVRVPLPGPLFDALPREIQSGMLLRVQPVLFVNGINEQQL
AERFGDTSLQEVINVESLRLNSYFEQFKEVLPEDCLPRSRSTCLPELLRFLGQNVHARKNKNVDILWQ
AAEICRRLNGVRFTSCKSAKDRSAMSVTLEQCLILQHEHGMAPQVFTQALECMRSIGTREVVTQKNLSGL
VPIRDLRLDPSLLCSIPLLALSPLLIVWLFSLIAYLVTKLRCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

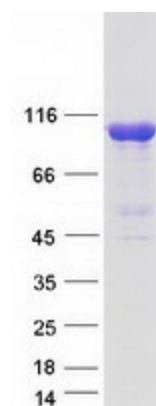
Tag:	C-Myc/DDK
Predicted MW:	107.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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:	NP_001557
Locus ID:	3631
UniProt ID:	Q96PE3
RefSeq Size:	3224
Cytogenetics:	2q11.2
RefSeq ORF:	2862
Synonyms:	INPP4; TVAS1
Summary:	This gene encodes an Mg ⁺⁺ 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]
Protein Families:	Transmembrane
Protein Pathways:	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]).