

Product datasheet for **TP305175L**

IPPK (NM_022755) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human inositol 1,3,4,5,6-pentakisphosphate 2-kinase (IPPK), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC205175 protein sequence Red =Cloning site Green =Tags(s) |

MEEGKMDENEWGYHGEGNKSLVVAHAQRCVLRFLKFPNRRKKTSEEIFQHLQNIIVDFGKNVMKEFLGEN
YVHYGEVQLPLEFVKQLCLKIQSERPESRCDKDLDTLSGYAMCLPNLTRLQTYRFAEHRPILCVEIKPK
CGFIPFSSDVTHEMKHKVCRYCMHQHLKVATGKWKQISKYCPLDLYSGNKQRMHFALKSLLQEAQNLLKI
FKNGELIYGCKDARSPVADWSELAHHLKPFPPSNGLASGPHCTRAVIRELVHVITRVLVLLSGSDKGRAGT
LSPGLGPQGPRVCEASPFSLRCQGKNTPEPERSGLPKGCLLYKTLQVQMLDLLDIEGLYPLYNRVERYLE
EFPEERKTLQIDGPYDEAFYQKLLDLSTEDDGTVAFALTKVQYRVAMTAKDCSIMIALSPCLQDASSDQ
RPVPPSSRSRFAFSVSLDLDLKPYESIPHQYKLDGKIVNYSKTVRAKDNVAMSTRFKESEDCTLVLHK
V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 55.8 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_073592](#)

Locus ID: 64768

UniProt ID: [Q9H8X2](#)

RefSeq Size: 4401

Cytogenetics: 9q22.31

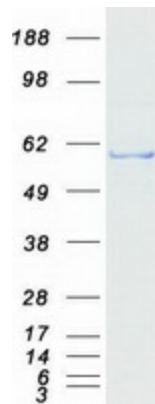
RefSeq ORF: 1473

Synonyms: bA476B13.1; C9orf12; INSP5K2; IP5K; IPK1

Summary: The protein encoded by this gene is a kinase that phosphorylates position 2 of inositol-1,3,4,5,6-pentakisphosphate to form inositol-1,2,3,4,5,6-hexakisphosphate (InsP6). InsP6 has a variety of functions, including stimulation of DNA repair, endocytosis, and mRNA export. [provided by RefSeq, Nov 2010]

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

Product images:



Coomassie blue staining of purified IPPK protein (Cat# [TP305175]). The protein was produced from HEK293T cells transfected with IPPK cDNA clone (Cat# [RC205175]) using MegaTran 2.0 (Cat# [TT210002]).