

Product datasheet for **TP305175**

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205175 protein sequence Red =Cloning site Green =Tags(s)

MEEGKMDENEWGYHGEGNKSLVVAHAQRCVLRFLKFPNRRKKTSEEIFQHLQNIIVDFGKNVMKEFLGEN
YVHYGEVQQLPLEFVKQLCLKIQSERPESRCDKDLDTLSGYAMCLPNLTRLQTYRFAEHRPILCVEIKPK
CGFIPFSSDVTHEMKHKVCRYCMHQHLKVATGKWKQISKYCPLDLYSGNKQRMHFALKSLLQEAQNLLKI
FKNGELIYGCKDARSPVADWSELAHHLKPFPPSNGLASGPHCTRAVIRELVHVITRVLVLLSGSDKGRAGT
LSPGLGPQGPRVCEASPFSLRRCQGKNTPEPERSGLPKGCLLYKTLQVQMLDLLDIEGLYPLYNRVERYLE
EFPEERKTLQIDGPYDEAFYQKLLDLSTEDDGTVAFALTKVQYRVAMTAKDCSIMIALSPCLQDASSDQ
RPVVPSSRSRFAFSVSLDLDLKPYESIPHQYKLDGKIVNYYSKTVRAKDNVAMSTRFKESEDCTLVLHK
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

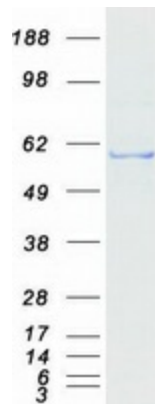
RefSeq ORF: 1473

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]).