

## Product datasheet for **TP309343**

### IPMK (NM\_152230) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inositol polyphosphate multikinase (IPMK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209343 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATEPPSPLRVEAPGPPPEMRTSPAIESTPEGTPQPAGGRLRFLNGCVPLSHQVAGHMYGKDKVGILQHPD  
GTVLKQLQPPPRGPRELEFYNMVYAADCDFDGVLLLELRKYLPKYYGIWSPPTAPNDLYLKLEDVTHKFNKP  
CIMDVKIGQKSYDPFASSEKIQQQVSKYPLMEEIGFLVLGMRVYHVHSDSYETENQHYGRSLTKETIKDG  
VSRFFHNGYCLRKDAVAASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSK  
GQLSDTEVLEYNFVLSSTANGKIESSVSGKSLSKMYARHRKIYTKKHHSQTSKLVENLEQDNGWKSMS  
QEHLNGNVLSQLEKVFYHLPTGCQEIAEVEVRMIDFAHVFPSTIDEGYVYGLKHLISVLRSLDN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47 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.
RefSeq:	<a href="#">NP_689416</a>
Locus ID:	253430



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UniProt ID: [Q8NFU5](#)

RefSeq Size: 6133

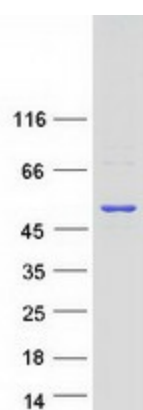
Cytogenetics: 10q21.1

RefSeq ORF: 1248

**Summary:** This gene encodes a member of the inositol phosphokinase family. The encoded protein has 3-kinase, 5-kinase and 6-kinase activities on phosphorylated inositol substrates. The encoded protein plays an important role in the biosynthesis of inositol 1,3,4,5,6-pentakisphosphate, and has a preferred 5-kinase activity. This gene may play a role in nuclear mRNA export. Pseudogenes of this gene are located on the long arm of chromosome 13 and the short arm of chromosome 19. [provided by RefSeq, Dec 2010]

**Protein Pathways:** Inositol phosphate metabolism

### Product images:



Coomassie blue staining of purified IPMK protein (Cat# TP309343). The protein was produced from HEK293T cells transfected with IPMK cDNA clone (Cat# [RC209343]) using MegaTran 2.0 (Cat# [TT210002]).