

## Product datasheet for PH309343

### IPMK (NM\_152230) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IPMK MS Standard C13 and N15-labeled recombinant protein (NP_689416)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209343
Predicted MW:	47.2 kDa
Protein Sequence:	>RC209343 protein sequence Red=Cloning site Green=Tags(s)

MATEPPSPLRVEAPGPPPEMRTSPAIESTPEGTPQPAGGRLRFLNGCVPLSHQVAGHMYGKDKVIGILQHPD  
GTVLKQLQPPRGPREFYFMVYAADCDFGVLLLRKYLPKYYGIWSPPTAPNDLYLKLEDVTHKFNKP  
CIMDVKIGQKSYDPFASSEKIQQQVSKYPLMEEIGFLVLGMRVYHVHSDSYETENQHYGRSLTKETIKDG  
VSRFFHNGYCLRKDAVAASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSK  
GQLSDTEVLEYNNFHVLSSTANGKIESSVGKSLSKMYARHRKIYTKKHSQTSKVENLEQDNGWKSMS  
QEHLNGNVLSQLKVFYHLPTGCQEIAEVEVRMIDFAHVFPSTIDEGVYVGLKHLISVLRSDLDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_689416</a>
RefSeq Size:	6133
RefSeq ORF:	1248
Locus ID:	253430
UniProt ID:	<a href="#">Q8NFU5</a>



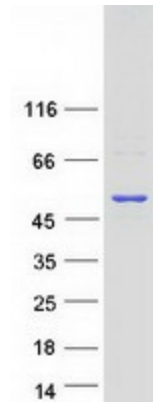
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**Cytogenetics:** 10q21.1

**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]).