Recombinant Human IPMK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IPMK-705H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IPMK MS Standard C13 and N15-labeled recombinant protein (NP_689416) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	47.2 kDa
AA Sequence	MATEPPSPLRVEAPGPPEMRTSPAIESTPEGTPQPAGGRLRFLNGCVPLSHQVAGH MYGKDKVGILQHPDGTVLKQLQPPPRGPRELEFYNMVYAADCFDGVLLELRKYLPK YYGIWSPPTAPNDLYLKLEDVTHKFNKPCIMDVKIGQKSYDPFASSEKIQQQVSKYPL MEEIGFLVLGMRVYHVHSDSYETENQHYGRSLTKETIKDGVSRFFHNGYCLRKDAV AASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSKGQLS DTEVLEYNNNFHVLSSTANGKIESSVGKSLSKMYARHRKIYTKKHHSQTSLKVENLE QDNGWKSMSQEHLNGNVLSQLEKVFYHLPTGCQEIAEVEVRMIDFAHVFPSNTIDE

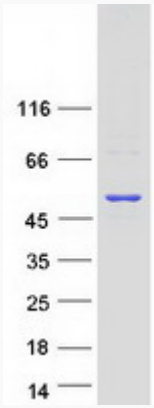
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	GYVYGLKHLISVLRSILDNTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	IPMK inositol polyphosphate multikinase [Homo sapiens (human)]
Official Symbol	IPMK
Synonyms	IPMK; inositol polyphosphate multikinase; inositol 1,3,4,6-tetrakisphosphate 5-kinase;
Gene ID	253430
mRNA Refseq	NM_152230
Protein Refseq	NP_689416
MIM	609851
UniProt ID	Q8NFU5

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SDS-PAGE	

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