

Recombinant Full Length Human IPMK Protein, C-Flag-tagged

Cat. No. IPMK-272HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IPMK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47 kDa
AA Sequence	MATEPPSPLRVEAPGPPEMRTSPAIESTPEGTPQPAGGRLRFLNGCVPLSHQVAGH MYGKDKVGILQHPD GTVLKQLQPPPRGPRELEFYNMVYAADCDFGVLLELRKYLPK YYGIWSPPTAPNDLYLKLEDVTHKFNKP CIMDVKIGQKSYDPFASSEKIQQQVSKYP LMEEIGFLVLGMRVYHVHSDSYETENQHYGRSLTKETIKDG VSRFFHNGYCLRKDA VAASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSK GQL SDTEVLEYNNNFHVLSSTANGKIESSVGKSLSKMYARHRKIYTKKHHSQTSCLKVENL EQDNGWKSMS QEHLNGNVLSQLEKVFYHLPTGCQEIAEVEVRMIDFAHVFPSTID

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EGYVYGLKHLISVLRSILDNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Inositol phosphate metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	IPMK inositol polyphosphate multikinase [Homo sapiens (human)]
Official Symbol	IPMK
Synonyms	Impk; inositol polyphosphate kinase 2; inositol polyphosphate multikinase; lpk2
Gene ID	253430
mRNA Refseq	NM_152230.5
Protein Refseq	NP_689416.1

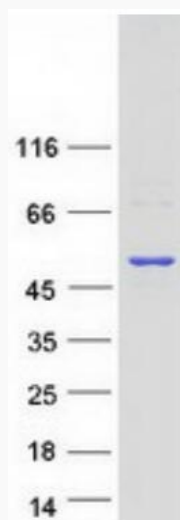
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MIM 609851

UniProt ID Q8NFU5



Coomassie blue staining of purified IPMK protein.

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