

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 GTVLKQLQPPPRGPRELEFYNMVYAADCDFDGVLLELRKYLPK YYGIWSPPTAPNDLYLKLEDVTHKFNKP CIMDVKIGQKSYDPFASSEKIQQQVSKYP LMEEIGFLVLGMRVYHVHSDSYETENQHYGRSLTKETIKDG VSRFFHNGYCLRKDA VAASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSK GQL SDTEVLEYNNNFHVLSSTANGKIESSVGKSLSKMYARHRKIYTKKHHSQTSCLKVENL EQDNGWKSMS QEHLNGNVLSQLEKVFYHLPTGCQEIAEVEVRMIDFAHVFPSTID

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EGYVYGLKHLISVLRSLDNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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](#)

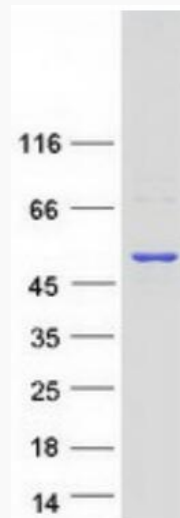
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MIM 609851

UniProt ID Q8NFU5



Coomassie blue staining of purified IPMK protein.

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