

Recombinant Full Length Human IPMK Protein, GST-tagged

Cat. No. IPMK-5688HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IPMK full-length ORF (NP_689416.1, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	416 amino acids
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. [provided by RefSeq, Dec 2010]
Molecular Mass	73.6 kDa
AA Sequence	MATEPPSPLRVEAPGPPEMRTSPAIESTPEGTPQPAGGRLRFLNGCVPLSHQVAGH MYGKDKVGILQHPDGTVLKQLQPPPRGPRELEFYNMVYAADCDFDGVLLLELRKYLPK YYGIWSPPTAPNDLYLKLEDVTHKFNKPCIMDVKIGQKSYDPFASSEKIQQQVSKYPL MEEIGFLVLGMRVYHVHSDSYETENQH YGRSLTKETIKDGVSRFFHNGYCLRKDAV AASIQKIEKILQWFENQKQLNFYASSLLFVYEGSSQPTTTKLNDRTLAEKFLSKGQLS DTEVLEYNNNFHVLSSSTANGKIESSVGKSLSKMYARHRKIYTKKHHSQTSLKVENLE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	QDNGWKSMSQEHLNGNVLSQLEKVFYHLPTGCQEIAEVEVRMIDFAHVFPSTIDE GYVYGLKHLISVLRSLDN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	IPMK inositol polyphosphate multikinase [Homo sapiens]
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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