

Product datasheet for SC306353

IPMK (NM_152230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPMK (NM_152230) Human Untagged Clone
Tag:	Tag Free
Symbol:	IPMK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306353 representing NM_152230. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACAGAGCCACCATCCCCCTCCGGGTCGAGGCGCCGGGCCCCAGAAATGCGGACCTCACCG
GCGATCGAGTCCACCCCTGAGGGCACCCCGCAGCCGGCGGGCGGCAGACTCCGCTTCTCAACGGCTGC
GTGCCCTCTCGCATCAGGTGGCCGGGCACATGTACGGGAAGGACAAAGTGGGTACTGCAACATCCA
GATGGCACAGTTTTGAAACAGTTACAACCACCTCAAGGGGCCAAGAGAGCTGGAATTCATAATATG
GTTTATGCTGCTGACTGTTTTGATGGTGTCTTCTAGAGCTACGAAAATATTTGCCAAAATATTATGGC
ATCTGGTCACCTCCCACGCACCAACGATTTATACCTAAAACGGAAGATGTGACCCATAAATTTAAT
AAGCCCTGTATAATGGATGTAAAGATAGGGCAAAAAGCTATGATCCTTTTGCCTCATCTGAGAAGATT
CAGCAACAGGTCAGCAAGTACCCATTAATGGAAGAGATTGGGTTCTTGGTCTTGGCATGAGGGTTTAT
CATGTTTATTCCGATAGCTATGAGACAGAAAACCAGCATTACGGAAGAAGCTTAACAAAAGAACTATA
AAGGATGGAGTCTCCAGATTTTTTCATAATGGTACTGCTTAAGAAAAGATGCTGTTGCTGCCAGTATT
CAGAAGATTGAGAAAATCTGCAGTGGTTTAAAACCAGAAGCAGCTAATTTTTACGCAAGTTCATTA
CTCTTTGTTTATGAAGTTTCATCTCAGCCAACCACTACAAAATGAATGACAGAAGTTTGGCAGAAAAG
TTTTTGTCCAAAGGACAAGTGTGAGACACAGAAGTACTAGAGTACAATAAATTTTCATGTGTTAAGT
TCCACAGCTAATGAAAAATAGAGTCTTACAGTGGGCAAAAAGCTTGTCCAAGATGTATGCGGTCACAGG
AAAATATATACAAAAAGCATCACAGTCAGACTTCATTGAAAGTTGAAAATCTGGAGCAAGACAATGGG
TGGAAAAGCATGTACAGGAACATTTAAATGGAATGTACTTTCCAACTGGAAAAGTTTTCTACCAT
CTTCCACTGGTTGCCAAGAGATTGCTGAAGTAGAAGTGCGAATGATAGATTTTGCTCATGTGTTCCCT
AGCAACACAATAGATGAGGGATATGTTTATGGGCTAAAGCATTTAATTTCTGTACTTCGAAGTATTTTA
GACAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:	□
ACCN:	NM_152230
Insert Size:	1251 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_152230.4
RefSeq Size:	6133 bp
RefSeq ORF:	1251 bp
Locus ID:	253430
UniProt ID:	Q8NFU5
Cytogenetics:	10q21.1
Protein Pathways:	Inositol phosphate metabolism
MW:	47.2 kDa
Gene 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]