

## Product datasheet for RN213030

### Ipmk (NM\_134417) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ipmk (NM_134417) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ipmk
Synonyms:	Impk; Ipk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213030 representing NM_134417 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGCCGAGCCCCAGCGCTGCGCCTGCGGCCGCTGGAAGCACCGGAGACAGCCCGCCGGTGCCGC  
GCCTGCTCGGAGGCTGCGTGCCGCTGTCGCATCAGGTGGCTGGCCACATGTACGGCAAGGACAAAGTGGG  
CATACTCCAGCACCCAGATGGTACAGTTCTGAAACAGCTGCAGCCACCGCCTCGGGGCCAAGAGAGCTG  
GAATTTTATACCATGGTTTACGCTGCTGACTGTGCCGATGCTGTTCTCCTGGAGCTGCGGAAACACCTGC  
CCAAGTACTATGGCGTCTGGTCCCTCCAGCGCACCCAAACGATGTGTACCTAAAAGTGGAGATGTGAC  
TCATAAGTTTAAACAAGCCTGTATAATGGACGTGAAGATTGGGCGGAAGAGCTACGACCCCTTTGCCTCG  
GCAGAGAAGATTCAGCAGCAGGTCAGCAAGTACCCTCTGATGGAGGAGATCGGGTTTCTGGTGCTCGGCA  
TGAGGGTTTATCATCTTCACTCTGACAGCTACGAGACACAAAACCAGCACTATGGAAGAGGCCTGACGAA  
AGAGACTCTGAAGGAGGGTGTCTCCAAGTTTTCCACAACGGCTTCTGTTTAAGGAAAGACCGGTGGCA  
GCCAGTATTCAGAAGGTCGAGAAGATTCTCCAGTGGTTTTGAAAATCAGAAGCAGCTTAACTTTTATGCAA  
GCTCTTTACTGTTGTTTATGAAGTTCATCTCAGCCAGCTACCACAAAATCAAACGATAGAATTTGGC  
GGGGAGGTTTCTCTCAAAGGAGCCCTGTCGGACGCGGATGTAAGTACTAGAGTGAATAACTTCCACCTG  
TTCAGCTCCCCGGCCAACGGCACGTGAGTGGGCAAAAGCTTATCTAAGGCGTACTCGAGGCACAGAAAGC  
TGTATGCAAAAAAGCACAGAGTCAGACTTCCCTCAAAGTTGAAACTCTAGAGCAAGACAACGGGTGGAA  
AAGCATGTCCCAGGAACACTTAAACGAAACGTGCTTTCCCAACTGAAAAGGTGTTCTACCACCTCCG  
GCGGGCCCGCAGGAGATCGCGGAAGCGGAAGTGCAGGATGATAGACTTTGCTCACGTGTTCCCTAGCAACA  
CAGTAGATGAGGGGTATGTTACGGTCTGAAGCATCTAATTGCCGTGCTTCGGAGTATCTTGACAGTTG  
A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_134417
<b>Insert Size:</b>	1191 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_134417.1</a> , <a href="#">NP_599244.1</a>
<b>RefSeq Size:</b>	5432 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	171458
<b>UniProt ID:</b>	<a href="#">Q99NI4</a>
<b>Cytogenetics:</b>	20p11
<b>Gene Summary:</b>	involved in the synthesis of inositol 1,4,5-trisphosphate and an inositol pyrophosphate [RGD, Feb 2006]