

Product datasheet for **MC218479**

Ippk (BC024630) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ippk (BC024630) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ippk
Synonyms:	1810043M15Rik; InsP6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC024630 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGACTTTTTGGGAGAGAACTATGTTTCATTGTGGGGAAGTTGTTTCAGCTGCCTTTAGAGTTTGTGA
AACAACTCTGTTAAAGATACAGTGTGAAAGACCAGAGTCCCCTTGTGACAAGGACCTGGACACATTCAG
TGTTATGCTATGTGCCCTCCCAATTTAACAGACTTCAGACCTCCACTTTGCAGAGCACCGGCCGATT
CTGTGTGTAGAGATTAAGCCAAAATGTGGGTTTATTCCTTTCTCAAATGATGTTACCCACGAGATGAAGC
ACAAGGTGTGCCGATACTGCATGCACCAGCACCTCAAGGTAGCAACTGAAAAGTGGAAAGAAAATCAGTAA
ATACTGTCCCCTCGACCTCTACTCAGGAAATAAGCAGCGCATGCCTTTGCCCTCAGAAGCTGTCTGCAG
GAGACACAGAATAATCTTAGGATATTTAAGAAATGGAGAGCTGATTTATGGTTGTGGTGATGCCCGGAGCC
CTGTGGCTGACTGAAGGAGCTTGACACCACCTGAAGCCCTTCTTCCCTTCCAACGGCTTGGCCAG
TGGCCCTCACTGCACGAAGGCTGTGATCCGTGAGCTGGTGCATGTTATCACCAGGTGTCTGTGAGCAGC
TCAGAAAAAGCCCGAGCTGGTGCCCTGAGGCTTGGCTCCAGGGCCACGAGTCTGTGAAGCCAGTCCTT
TCAGCAGGAGCCTACACAACCAAGGAAAAACACCTCAGAGCACTCGGGGTTACCGAAGGCTGTCTTCT
GTACAAAACCCTCCAGGTGCAGATGTTGGACCAGCTGGACATCGAAGCCCTTACCCTCTGTACAAACGG
GTTGAGCAATACCTGGAGGAGTTTCTGAGGAGAGGAAAAACATTACAGATAGATGGGCCTTATGATGAAG
TATTTTACCAGAACTGCTTGTCTGTCCACTGAGGATGATGGGACAGTGGCCTTTGCATTAACAAAGGT
GCAGCAATACAGAGTAGCCATGACTGCCAAGGACTGTTCCATCATGATCGCACTTTCCCCTGTCTACAG
GGCACCAGCTCTGACCAGAGGCTGTTATTCCTTCGTCAAGATCCCGGCTGGCCTTCTGTGTCTGTAT
TGGACCTCGACCTCAAGCCCTATGAGAGCATTCTCATCAGTATAAACTAGACAGCAAGATAGTCAACTA
TACTCAAAGACTGTGCATGCCAAAGATGACACTGTGAGGTCGACTCGGTTCAAGGAACATGAAGATTGC
ACATTAGTTCTCCATAAGGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	BC024630
Insert Size:	1284 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).
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:	BC024630 , AAH24630
RefSeq Size:	2911 bp
RefSeq ORF:	1283 bp
Locus ID:	75678
Cytogenetics:	13 A5
Gene Summary:	Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-alpha-induced apoptosis. [UniProtKB/Swiss-Prot Function]