

Product datasheet for **MC204707**

Itpkc (NM_181593) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpkc (NM_181593) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itpkc
Synonyms:	9130023N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC053450
GCTCGGCGGGCCGAACCCACGAGTTGGGGCTCCCCAGCCACACCCCTCGTAGGATTTTAAAGGGGAAGG
AGGGGCCGGACGGGCCAAAGCCCGGGCCCTGGGAGCGGTATGAGGCGCTGCCCGTGCCGGGGGAGCCTG
AGCGAGGCGGAGGCCGGCGCACTGCCAGCCGAGGCCCGCATGGGGCTGGAGGCGCTGCGAGGTGGCGGC
GGCGACAGCCTGGACTACAACGACCTGGACCGGAGCAGGTGGCCGACGGGACGGCCGGAGGGGGCGG
TCCCGGGCCCTGGATCGAGGAGTCCAGCCTCCACTCCGAGGCGGAGAGGACCGACCTCGAGCCTGCGCCG
TGTCCGAACGGTCCACAGGCAGAATCCTGTGGAGATGGACACGCGGAGTGCGAAGCAGCTGGCCTAGTAG
TTGCGTCGGAGAAGCCCAGGCCAAAATAAGGAGCTAGACGGGTCCAACCTCCAGACACATCCAAGAAGGAA
CAGCCCCCTGGTTGAGATGGAGATGGCCGTTCTGTGACAGATGGCTTTCGAACTGATCTTCACAGATCT
GACCTCCAGTCTCGGCCAAAGAGAGCCAGCCTCTGTACCAACCAGGGTTTGATGAGTCTGGACCGAAC
TGGACAGATCCGATATGTGGCAGACTCTGCCAGAGAGGGACAACAAGCCAGGGTTGATAACCTTAGGAC
CCACCATGGCGTGTCCAACTCCAACTCACCCAGTCTGCCTCTCACCAGAATCAAGTGTGATAACTCC
GGCAAAGAATTGTCGCGGATGCTTCCAGGACTCCACATGACACCGACGGCTTCTGGATAGAGTCCCAAA
CTGATGACTCTCTCAAAGGACCTAGTACTCAGACAGCCTGCAGACAACCTGGGAGTGATGGTTTTTCCTC
AAAAGACACTGAGAGTGCCTTGACTCAACCTGGCACTGATGGCCTCCGGGATGACAGCGTTTTGGGGGAG
TCCAATGGAAATGATCCATTAGATTTATCAGAGCCTGGAGAGTTGGTGACTAACCTGTGCTCCACCTGG
AGTGACAGCTCCCTGTGTCTGTGCCCGCCTTATCATCACCCAGAGACTCCTGAACCTGAGGCCAGCC
GGTGGGACCCCAATCCCGGATTGAGGGGGCACTGGCGGCTTCTCTTCTGCCTCCTCTTTTGATGAATCT
GAGGATGACTTGGTAGCCGGGGCGGAGGTACCAGCGATCCTGAGGACAGAGCTGGAAGCAAGCCCTGGA
AGAAGCTGAAGACAGTTCTGAAGTACTCGCCCTTCGTGGTCTCCTTCCATAAGCACTACTATCCCTGGGT
CCAGCTTTCGGGACAGCTGGGAACCTCCAGGCCGGTGAGGATGGTCGGATTCTGAAACGTTTCTGTCAG
TGTGAGCAGCGCAGCCTGGAGCTGCTGATGGGAGACCCCTGCGGCCCTTTTGTGCTGCTTATTATGGCA
TGGTGACGCGGGATGGCCAGGCCTTCAACCAGATGGAAGATCTCCTGGCAGACTTTGAGGGCCCTCTAT
CATGGACTGCAAGATGGGCAGCAGGACCTACCTGGAAGAGGAGCTGGTGAAAGGCCAGGGAACGACCCAAG
CCCCGGAAGGATATGTATGAGAAGATGGTGGCAGTGGACCCCGGGCTCCACCCAGAAAGCATGCTC
AGGGTGCCATCACGAAGCCCGATACATGCAGTGGAGGGAGACCCTGAGTTCAACTTCCACGCTGGGCTT
CCGGATTGAAGGCATCAAGAAGGCTGATGGGACCTGCAACACCAACTTCAAGAAGACACAGGCTCTGGAG
CAGGTGACAAAGGTGTTAGAAGACTTTGTGAATGGGGACCTTGAATCCTAAGAAAGTACGTGGCGCGAC
TGGAAGACCTCCGAGAGACTCTGGAATAATCTCCCTTCTTCAAGACCCACGAGGTAGTGGCAGTTCCT
TCTCTTTGTGCATGACCACACTGGCCTGGCCAAGGTCTGGATGATTGACTTCGGCAAGACAGTGGCCCTG
CCTGACCACAGATGCTCAGTCACAGGCTGCCTTGGACAGAGGGCAACCGTGAGGACGGCTACCTCTGGG
GTCTGGACAATTTGATCTGCCTCCTTCAAGGGCTGGCCAGAGCTGACGTCATCTGCCACTGCTAGGCTC
ACTTGACGATAGCATGTGTCTGGCTAGAAGAGTCTAAGATGTTGTCTGGGGGAAGATGAGGTGCTTCA
AAGTGTACCAGATCAGTGAGGCTTGAAGGGCTTGAAGGTCCCTGGCAGCACGGGGCATCCTGACCAGCT
AGGAAAGCCTCTAAGGGAGTACCAGAGGCCACAGCTGAAGAATCAACTCTTCCCTGAGTCAGCTCTTTGA
GCCTAGAGCCAAAGGGTTGGCTTTTGTCTCCAGAGGACCAGGCATCATTTGTGAAGACCTGCAGGAGCT
ACTTGTCCACCTGGGCCAGTAAGATCCCATCCTGGTGTGAGAGGAGGATGTCTTCTGGGACGCTTGC
TGATGCTACCTGAGGCCTAGTGCTTCTGCACAGGGCCAGCTTGCCTCCTCCCTGCCAGGGCGGGGAAGG
ATCCCTTCTGTTCTTGTGGACTCCGAGTACTGCAGACCCAGGCCACAGCCATACCCATCTGTACCAGC
ACTGTGACCATCCATCTTCTTCTTGGTGACCAAGCTCCAGCCTCAGGACTTCTCCTCTGGCCCTGA
CAGCCCAGCTCTTGTCCAGCAGAATCCAGTGACAGGAAGGAGTTTCTGAGGCAGGGGAGGAGGCTTCTC
CATGGGAACCAGACAGCCTTGTCTCACTGTATAAGTGCCCTGATCACACGCAGAATGAAGTGCCAGGTTG
CTCAGAAGCACAAAGGTGTGGCTACTGGCCCTAACCATGGACTACGTGGTTCTAACCAAGACTCTAGA
ACTCTGGGGTGGGGGAGAAACAATGTGTTCTGTGCTCCAGAACCTCGGCTTCTGGCCCATATGGATGGG
CTTGGCAAGGAACCTACCTCTTCTAAGGTGAAGCCCTAAGGTCTGCCAAGGCTGACACGCTTCTCTTT
TCTACTGACAGACTTTATATATATATATTTATATACGTGGTAGTTACCTGGGGTGGTGGTGTGAGGAAT
TGAGGCAAAATGACTTTACTGTACCTCCGGCTACAGTGGCACCCCAATAAACAGGACAAAATCAACAAA
AA

Restriction Sites: RsrII-NotI
ACCN: NM_181593

Insert Size:	2037 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC053450 , AAH53450
RefSeq Size:	3260 bp
RefSeq ORF:	2037 bp
Locus ID:	233011
UniProt ID:	Q7TS72
Cytogenetics:	7 A3
Gene Summary:	Can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetrphosphate. [UniProtKB/Swiss-Prot Function]