

Product datasheet for **RN210556**

Itpkc (NM_178094) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpkc (NM_178094) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itpkc
Synonyms:	IP3K-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210556 representing NM_178094
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCGCTGCCCGTGCCGGGGGAGCCTGAGCGAGGCGGAGGCCGGCGCATTGCCAGCCGAGGCCCGCA
 TGGGGCTGGAGGCGCTGCGAGGTGGGCGGCGGACAGCCGGGATTGCAGCGCCCTGGGCCGGGAGCAGG
 TGGCCCGACGGGACGCCAGAGGGGGCGGTCCCCGGGCTGGATCGAGGGGTTACGCTGCACTCAGAG
 GCGGAGAGGACCGACTTCGGGCCTGCGCCGTGTCCGGACGGTCCACAGGCAGAACCCTGTGGAGACGAAC
 ACGAGGAGTGCGAAGCAGCTGGCCTAGGAGTTGCCTCGGAGAAGCCAGCCAAAAAAGGAGCTAGACGG
 GTCCAACCTCCAGACACATCCAAAAGTGAAGCAGCCCTGGCTGAGATGGAGATGGCCGGTTCTGGACA
 GATGGTTTTCGAACTGATCTTCACAGACCTGACCTCCAGGCTCGGCCAAGAGAGCCAGCCTCTGTACCC
 AACCAGGGTTTGATGAATCCTGGACCGAACTGGACAGATCCGAGCTGTGGCAGACTCTACCAGAGAGGGA
 CAAGCCCTGGGTTGATCACCTCCGACCCACCAAGACATGTCCAGACTCCAAAATCACCCAGCCTGCCCC
 TCACCAGAGCCAAAGTGCTGGTACCTCCTGCAAAGAATTGAGCGCAGATGGTTCAGGACACCCACATGACA
 CCGATGGCTTCTGGATAGAGTCCCAAAGTATGGCTCCCTCATAGGACCTAGTACTCAGACAGCCTGCAG
 ACAGCCTGCAAACGATGGTTTTTCAGCACAGGACACTGACGGTACTTTGATTCAACCTGGCACTGATGAT
 GGTCCCTGGGTTGATAGCGTTTTGGAGAAGTCCATGGAGATGATCCATTAATGGAACAGAGCCAGAG
 ACTTGGTGACTAACCTGTGCTCCACCTGGAGTGACGCTCCCTGTGTCTGTGCCCCGCCTTATCATCAC
 CTCAGAGTCTCCTGAGCCTGGGGCCAGCCGCTGGGACCCCAAGCCCGGATTGAGGGGGGAGGTGGCGGC
 TTCTCTTCTGCCTCCTCTTTGACGAATCTGAGGATGACTTGGTGGCTGGGGCGGAGGTACCAGCGATC
 CTGAGGACAGATCTGGAAGCAAGCCCTGGAAGAAGCTGAAGACAGTTCTGAAGTACTCGCCTTTCTGGT
 CTCCTTCCATAAGCACTACTACCCCTGGGTACAGCTTTCCGGACATGCTGGGAACCTCCAGGCTGGTGAG
 GATGGCCGGATTCTGAAACGTTTCTGCCAATGTGAGCAGCGCAGCCTGGAGCTGCTGATGGGAGACCCCC
 TGCGGCCCTTCTGCCCCACTTATTATGGCATGGTGACGCGGATGGCCAGGCCTTCAACCAGATGGAAGA
 CCTCTGGCCGACTTTGAGGGCCCTCTATCATGGACTGCAAGATGGGCAGCAGGACATACCTGGAAGAG
 GAGCTGGTGAAGGCCCGGAACGACCCAAACCCGAAAGATATGTATGAGAAGATGGTGGCAGTGGACC
 CAGGGGCTCCACCCAGAGGAGCAGCTCAGGCTGCGGTCACTAAGCCCGGATACATGCAGTGGAGGGA
 GACCCTGAGTTCAACTTCCACCCTGGGCTTCCGATTGAAGGCATCAAGAAGGCCGATGGGACCTGCAAC
 ACCAATTCAAGAAGACACAGGCTCTGGAGCAGGTGACAAAGGTGTTGGAAGACTTTGTGAATGGGGACG
 TTGGAATCCTAAGAAAGTACGTGGCGCGACTGGAGGACCTTCGAGACACTCTGGAGAATTCTCCCTTCTT
 CAAGACCCACGAGGTAGTGGGCGATTCCCTGCTTTTGTGCATGACCACACCGGCCCTGGCCAAGGTTTGG
 ATGATTGACTTCGGCAAGACAGTGGCCCTGCCTGACCACCAGATGCTCAGTCACAGGCTGCCTTGGGCTG
 AGGGCAACCGTGAAGATGGCTACCTCTGGGTTTGGACAATTTGATCTGCCTCCTTCAGGGCCTGGCCCA
 GAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_178094

Insert Size: 2037 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:	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:	<u>NM_178094.3, NP_835195.1</u>
RefSeq Size:	3309 bp
RefSeq ORF:	2037 bp
Locus ID:	308451
UniProt ID:	<u>Q80ZG2</u>
Cytogenetics:	1q21
Gene Summary:	kinase involved in converting inositol 1,4,5-trisphosphate to inositol 1,3,4,5-tetrakisphosphate [RGD, Feb 2006]