

Product datasheet for **SC310174**

IP3KC (ITPKC) (NM_025194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IP3KC (ITPKC) (NM_025194) Human Untagged Clone
Tag:	Tag Free
Symbol:	IP3KC
Synonyms:	IP3-3KC; IP3KC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310174 representing NM_025194.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGGCGCTGCCGTGCCGTGGGAGCCTGAACGAGGCGGAGGCCGGGGCGCTGCCCGCGGCCGCCG
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GAGCCTGAGAGGGCGGCCCTCGGCCTGCGCCGGGGACAGAGAGTCCGCAGGCAGAAATCTGGACAGAC
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GATACTGAAGCAGCCAGGAAACAGCCTGGCACTGGTGGTTTCAAATACAACAGGATACTGATGGCTCC
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TGGGGCTGGACAACATGATCTGCCTCTGCAGGGGTGGCACAGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_025194

Insert Size: 2052 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:	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_025194.2</u>
RefSeq Size:	3398 bp
RefSeq ORF:	2052 bp
Locus ID:	80271
UniProt ID:	<u>Q96DU7</u>
Cytogenetics:	19q13.2
Domains:	IPK
Protein Families:	Druggable Genome
MW:	75.2 kDa
Gene Summary:	This gene encodes a member of the inositol 1,4,5-trisphosphate [Ins(1,4,5)P(3)] 3-kinase family of enzymes that catalyze the phosphorylation of inositol 1,4,5-trisphosphate to 1,3,4,5-tetrakisphosphate. The encoded protein is localized to the nucleus and cytoplasm and has both nuclear import and nuclear export activity. Single nucleotide polymorphisms in this gene are associated with Kawasaki disease.[provided by RefSeq, Sep 2009]