

## Product datasheet for **RN206916**

### Itpkb (NM\_019312) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Itpkb (NM_019312) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itpkb
Synonyms:	IP3K B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206916 representing NM\_019312  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGTGACTGCTATGCCCTCAATAGCCTGGTGATCATGAACAGCACCAACGAGCTGAAGAGTGGCA  
 GCCCCTGCCAGCGGCAGCGAAACGCCTCAGCCCTCCGGGAGGGCCGCGCTGAGCCCCGGCAGCGTCTT  
 CAGCCCTGGGAGAGGCGCCTCCTTTCTCTTCCCCCAGCAGAGTCGCTGTCGCTGGAGGAGCCTGGGAGT  
 GCTGGGGTTGGCGCAGCGGCCGACGGAGGCTGAATAGTAGCAGCGGTAGCGGAGGTGGCAGCAGCAGCA  
 GCAACAGCAGCAGCAGCAGTGGCGTGGCAGTCCCAGTTGGGCTGGCCGCTGCGAGGGGACGCGCAGCA  
 GGTGGTGGCGACCCGCATCCTCTCCACCTGGGCGGAGGAGGCCAGAGGAAGCTGAGGATTCTGCAG  
 CGGAATTGCAAATGTGCAGGTGAACCAGAAAGTGGGCATGTTTCGAGGCGCAAATCCAGGCACAGACCT  
 CTGCTATTCAAGCGCCCCGAAGCCCGCTTTGGGTAGGGCTCGTTCGCCCTCCCGTGTCCCTTCCGAAG  
 CAGCAGCCAGCCTCTGAAAGGGTCTTGGCTCCATGTTCCCAAGTGAGGAACGGAGAACAAGTCTGG  
 GGAGAACAATGTACAGAGACCCAGATGCCAACTCCAGGAGGAGAAGCAGACTCAGCACACACCCCTCGA  
 AGGACAAGGAGGGAGTGGCCCTCTTTAGGCCAGCCAGCCGACCAGGTTAGGGACTCAGAGTCCATC  
 TACTTCAGTGAGAATGGAAAGAGGTTCCCGGCCAGTCCCGCTGTGGCTCACCCACACCCATGAAATT  
 GACAAGAGGACTGCTCCCTCACTGGAGCACTTTGGGACTAGCTTAACGTTGGCCACTAAAGTGGCAGCTT  
 CGGCCGCATCCGCTGGACCACACCCCTGGACATGATTCTGTTCTCATGGAGGCAGACTGTGAGCTAGGGGC  
 CATGCGCCCTGGGAGGCCACCTGGAGAGACGGGGCAGTTTCTGGGCAGGAGACCGGCTCAGCCCCA  
 GAGCCTATCCGGACCCACATTAGAGAACCCCTGGAAGGGTGGAAAGAGTTCATTCTGTTGGTGGCCAGG  
 GCTCCTGGACACTGAAGTCATCAAAGACCAGAAGAGGGAAGTGGATGCCAAAGCTCAGAGCTCTC  
 AGAGAACCCGAGATGGTCTAGACTGCCTGGAGACCCGGGTTCCGTAGGGCCTGAGAAGGGAGGTAGTAGG  
 ATCCCAGGAATCCGAGGACCCAGCAGACCCCTGGACAGCATGAGAGAAGGGTCTTCAGCACTGGGCTTGC  
 TTGGGGCAGCCAGGCAGCACAGCCAGGGAGCATGGATGTGGAGACAGGCATTAGTTGTGCAGAAATGCT  
 GGAACCCCTACCACCTGGGAAGTAACAACAAATTTGAAAGAACCCAGTGCCTCCCTGGGGACAGGATG  
 GGGATGCAGCCTGAGAGTTCATAGTTTGGCCAGTGTGTGGAGGAAGCTCCCTGATCTGGACGTGTG  
 ACACAGGGATACAGTTAAAGGGGACTTGGAGAAGCAAGATGGAGATGCTCATCTAGCTGCCAAGAGAA  
 GTCCCCAGACCAGAAGGACAAGGCTGCAGCCCCAGCAACATCCCGGCCATCCCTGCAGTCATCATTACA  
 GATATGGGTGCTCAGGAGGATGGAGGTTAGAGGAGATCCAAGGAAGCCCTCGGGTCCCCTGCCTCTGA  
 GGAAGCTGTCTCCTCCTCAGCCTCCTCACTGGCTTCTCCTTCTCTATGAGGACTCGGAGGAGGACAT  
 CTCAGTGACCCTGAGCGCACTCTGGACCCCAACTCAGCCTTTTTGCATACCTTGGACCAGCAGAAGCCC  
 AGAGTGAGCAAGTCATGGAGGAAGATAAAGAACATGGTGCAGTGGTCCCCCTTGTGATGCTCTTCAAGA  
 AGAAGTACCCCTGGATCCAGCTGGCAGGACATGCAGGGAGCTTCAAGGCAGCTGCGAATGGCCGTATCCT  
 TAAGAAGCATTGTGAGTCTGAACAGCGATGCCTGGACCGGTTAATGGCGGATGTGCTGAGGCCCTTCGTG  
 CCAGCCTACCATGGCGACGTGGTGAAGGACGGGAACGCTACAACCAGATGGACGACCTGCTGGCTGACT  
 TCGATTACCCCTGCGTGATGGACTGCAAGATGGGCATCAGGACATACCTGGAGGAAGAACTCACCAAGGC  
 CCGGAAGAAGCCTAGCTTGCAGGAGGACATGACCAGAAGATGGTGGAGGTGGACCTGAGGCCCCCACT  
 GAAGAGGAGAAAAGCCAGAGAGCTGTGACCAAGCCACGTTATATGCAAGTGGCGGGAAACCATCAGTTCCA  
 CAGCTACCTTAGGCTTACAGGATCGAGGGCATCAAGAAGGAAGATGGCTCTGTGAACCGTGACTTCAAGAA  
 GACCAAAAACAGGGAGCAGGTCAGTGGCCCTTACAGAAATCACTAAAGGAAACCAAGAACATCCTGATT  
 GCCTACCGGGACCGGTTGAAGGCCATTCGAGAAACCCCTGGAAAGTCTCTCCCTTCTCAAGTGCCATGAGG  
 TCATTGGCAGCTCTCTCCTTTCATCCACGACAAGAAGGAGCAAGCAAGGTGTGGATGATTGACTTTGG  
 GAAAACACGCCCTTCCGGAAGGCCAGACCCTACAACACGATGTCCCCTGGCAGGAGGGGAACCGGGAG  
 GATGGCTACCTCTCAGGGCTGAACAACCTCATCGACATCCTGACAGAAATGTCCAGGGCAGCCCACTCA  
 CCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_019312
<b>Insert Size:</b>	2805 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_019312.2</a> , <a href="#">NP_062185.2</a>
<b>RefSeq Size:</b>	3951 bp
<b>RefSeq ORF:</b>	2805 bp
<b>Locus ID:</b>	54260
<b>UniProt ID:</b>	<a href="#">P42335</a>
<b>Cytogenetics:</b>	13q26
<b>Gene Summary:</b>	regulates inositol phosphate metabolism which is required in cell signaling [RGD, Feb 2006]