

## Product datasheet for MC214314

### Ip6k3 (NM\_173027) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ip6k3 (NM\_173027) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Ip6k3  
 Synonyms: D830007E07Rik; lhpk3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC214314 representing NM\_173027  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGTGCGGCACAGCTCGGACAAGGGGAAGATAGGGGTGGGTGTGCCACTGGAGCCCTTCTGCACC  
 AGGTCGGGGGCCACCTGAGTGTGCTGCAGTATGACGCCTACACAGTCTGCAAGCCCTTGTCTCCCAGGA  
 ACAGAAATCTATGAGTCCCTGCCACTGGCCATGAAGTGTCTCACTCCGAAGTACAAAGGTACCATCACA  
 GTGCGTCTCCGGAGAGACAGCAGAGGCCACCTTGGCCTGGTTGCCAACCCACTGAAGGAGAACCTGGAGC  
 CTTTCCAGGTCTCCCCAGAGTCCAGAGCGGTAGCTCTCTGGCAGACACTTCAGCAGACAACCGGCAGCGA  
 GAGCAGCCCTGCCCCCTCACCCAGCTGGCTCGCTCACTGAAGGAGAGTGCAGCCAAGGTGCTCCTGAGG  
 TCCGACTGCCACCTCAGTACCCAGGCCTCTCCGCTGGTGGAAAGTGAAGATGGGAGCCAGGTGGAGAGAA  
 AGGGCTTTAACCCATGGGGCCTGCACTGTACCAAGCCCACCTGACTCGTCTGTGCTCCCAGTACCCAGA  
 GGACAAGAGACACCGGTTCTTGTGTTGGAAAAATGTGGTGTACAGTACAAGCAGCCCTGCATCCTGGAT  
 CTGAAGATGGGGACCCGCCAGCATGGGGACGATGCATCCGAGGAGAAGAAGGCCCGTACATGAAGAAGT  
 GCGCACAGAGCACCTCGGCCTGTCTGGGTGTGCGCATCTGTGGCATGCAGTTTATCAAAGTATCAGAA  
 GAGCTTTCTCTGCAAAGATAAGTACTATGGAAGGAAGCTCTCGGTGGAGGATTACAGGAAGCCCTTTCT  
 CAGTTCCTCCATGATGGAACCCGCCTCCGCGCCGAGCTCCTGGAGCCATCCTGCGTAGGCTGCAGGCGC  
 TGCTCACTGTATCAGGAGCCAGAGTCTTACCCTTCTACTCCAGCTCCGTCCTCATAATCTATGATGG  
 GGAGCCTCCCCAGACCACCAAGGCAGCACTTCTGGCGGCGTCACTTCCGGAGACCCGGCCAAAGTTGAT  
 GTCCGGATGATTGACTTCGCTCACACGACATTCAAGGGCTCCTGGAACGAGCACACCACCTACGAGGGAC  
 CAGATCCTGGCTATATTTTGGCCTGGAAAACCTATTGGGATTCTGCGGGATATCCAGGAAGGAGAATG  
 A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_173027
<b>Insert Size:</b>	1191 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>	<u><a href="#">NM_173027.2</a></u> , <u><a href="#">NP_766615.1</a></u>
<b>RefSeq Size:</b>	2305 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	271424
<b>UniProt ID:</b>	<u><a href="#">Q8BWD2</a></u>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). Converts 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4 (By similarity). [UniProtKB/Swiss-Prot Function]