

Product datasheet for **RN214397**

Ip6k1 (NM_053316) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ip6k1 (NM_053316) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ip6k1
Synonyms:	lhpk1; ltpk6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214397 representing NM_053316
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTGTTTGTCAAACCATGGAAGTGGGGCAGTATGGCAAGAACGCAAGTCGGGCGGGAGACCGAGGAG
 TCCTCCTGGAGCCCTTTATCCATCAGGTGGGCGGACACAGCAGCATGATGCGGTACGACGATCACACGGT
 GTGCAAACCTCTCATCTCTCGGGAACAGCGCTTCTACGAGTCTCTCCCTCCCGAAATGAAGGAATTCACC
 CCAGAATACAAAGGTGTGGTTTCTGTCTGTTTTGAGGGAGACAGTGACGGTTACATCAACCTGGTAGCCT
 ACCCTTATGTGGAGAGTGAACTGTAGAGCAAGACGACACACCTGAGCGGGAGCAACCTCGGCGCAAACA
 CTCCCGCCGGAGCCTGCATCGGTCTGGCAGTGGTAGTGACCACAAGGAGGAGAAAGCCAGCCTGTCTTT
 GAGACCTCTGAAAGCTCCAGGAGACAAAGAGTCCAAGGTGGAGCTGCACAGCCACTCAGATGTCCCTT
 TCCAGATGCTAGACAGCAATAGCGGGCTGAGCTCTGAGAAGATCAGCTACAACCCCTGGAGCCTGCGCTG
 CCACAAGCAGCAGCTGAGCCGCATGCGCTCCGAGTCCAAGGACCGAAAACCTACAAGTTCCTCCTGCTT
 GAGAATGTGGTTACCACTTCAAGTACCCTGTGTGTTGGACTTGAAGATGGGTACCCGACAGCATGGGG
 ATGATGCTTCAGCTGAGAAGGCAGCCCGGCAGATGAGGAAGTGTGAGCAGAGCACATCGGCCTCGCTGGG
 GGTGAGGCTGTGGCATGCAGGTGTACCAGCTGGACACAGGTACATTACCTCTGTAGGAATAAGTACTAT
 GGTGCTGGACTCTCCATCGAAGGCTTCCGCAATGCCCTGTATCAGTACCTGCACAATGGCTTGGACTGC
 GACGTGACCTTTTTGAGCCTATCCTGAGCAAATGCGAGGCCCTCAAAGCTGTGCTGGAGCGGCAGGCCTC
 CTACCGCTTCTACTCCAGTTCCTGCTTGTGCATCTATGATGGCAAGGAGTGCCGGTCTGAGCTACGTCTC
 AAGCAGTGGACATGGGGCTCCCTGAGGTGCCACCCTCTGTGGTCCCAGCACCAGCCCTAGCAACACCA
 GTCTTGAGGCTGGCCCTCTTCTCCGCCAAGGTGGATGTCCGCATGATTGACTTTGCACATAGCACATT
 CAAGGGCTTCCGGGATGACCCCACTGTTACAGTGGGCCAGACAGAGGCTATGTGTTGGCTTGGAGAAT
 CTTATCAGCATCATGGAGCAGATGCGGGATGAGAACCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053316
- Insert Size:** 1302 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:** [NM_053316.2](#), [NP_445768.1](#)

RefSeq Size:	1620 bp
RefSeq ORF:	1302 bp
Locus ID:	50560
UniProt ID:	Q9ESM0
Cytogenetics:	8q32
Gene Summary:	mouse homolog catalyzes the phosphorylation of inositol hexaphosphate; may play a role in phosphoinositide-mediated signaling [RGD, Feb 2006]