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Product datasheet for MC202418

Ip6k1 (NM_013785) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ip6k1
Synonyms:	1200016D08Rik; AU022776; Ihpk1; InsP6; InsP6k1; Itpk6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC059006 sequence for NM_013785
GTTGATCCGTACCCAGTGGGCAGCGCCAGGAGCTGGACCGAGCGGCCGGTGAGGGGCCGCTGCTGCGGGG
CTCAGCCACCAGCGCCGCCTGCCAGGGGGGCGGGCCGAGACCTGGAGGCCCGGGGGGCCCAGCTCCCGTG
GGGAGCCTTGGGCGCCCGCTGCCCGAGTCGGGCCGGACAGAACAGTAAACTAAGCAGACTGTGACCATTG
GCCTCCCACTAGCCAGGATCAACTTAGCTCTCCTTTTGTGGTCCATGTGCTGCATCGTCTGCCATCAGTG
TGCAACCGGCCCCCAACGCAATGTGTGTTTGTCAAACCATGGAAGTGGGGCAGTATGGCAAGAACGCAAG
TCGGGCCGGAGACCGAGGAGTCCTCCTGGAGCCCTTCATCCATCAGGTGGGCGGGCACAGCAGCATGATG
CGGTACGACGACCACACTGTGTGCAAACCTCTCATCTCCCGGGAACAGCGCTTCTACGAGTCACTCCCTC
CCGAAATGAAGGAATTCACCCCAGAGTACAAAGGCGTGGTTTCTGTCTGTTTTGAGGGAGACAGTGATGG
TTACATCAACTTGGTAGCCTATCCTTATGTGGAGAGTGAAACTGTAGAGCAAGATGACACACCAGAGCGG
GAGCAACCTCGGCGCAAACACTCCCGCCGGAGCCTGCATCGGTCTGGCAGTGGTAGTGACCACAAGGAGG
AGAAAGCCAGCCTGTCCTTTGAGACCTCTGAGAGCTCCCAGGAGGCAAAGAGTCCAAAGGTGGAACTGCA
CAGCCACTCAGATGTCCCTTTCCAGATGCTAGACAGCAATAGCGGTCTGAGCTCCGAGAAGATCAGCTAC
AACCCCTGGAGCCTGCGCTGCCACAAGCAGCAGCTGAGCCGCATGCGCTCCGAGTCCAAGGACCGAAAAC
TCTACAAGTTCCTCCTGCTTGAGAACGTGGTACACCACTTCAAGTACCCCTGTGTGCTGGACTTGAAGAT
GGGTACCCGGCAGCATGGCGATGATGCTTCAGCTGAAAAGGCTGCCCGGCAGATGAGGAAGTGTGAGCAG
AGCACGTCGGCCACGCTGGGGGTCAGGGTCTGTGGCATGCAGGTGTACCAGCTGGACACAGGTCATTACC
TCTGCAGGAATAAGTACTATGGCCGTGGACTCTCCATCGAGGGCTTCCGCAATGCGCTCTATCAGTACCT
GCACAATGGCTTGGACCTTCGACGTGACCTTTTTGAGCCAATCCTGAGCAAACTGCGGGGCCTCAAAGCC
GTACTGGAGCGGCAGGCCTCCTACCGCTTCTACTCCAGCTCCCTGCTTGTCATCTATGATGGCAAGGAGT
GCCGGTCTGAGCTACGTCTCAAGCACGTGGACATGGGGCTCCCTGAGGTGCCACCACCCTGTGGCCCCAG
CACCAGTCCTAGCAGCACCAGTCTTGAGGCTGGCCCCTCTTCTCCGCCCAAGGTGGATGTTCGCATGATT
GACTTTGCACACAGCACATTCAAGGGCTTCCGGGATGACCCCACTGTTCACGATGGGCCAGACAGAGGCT
ATGTGTTTGGCTTGGAGAATCTTATCAGCATCATGGAGCAGATGCGGGATGAGAACCAGTAGGCCCTGTG
CTGGGCCTAGGACCCCCCTCCTCTCCACCCACAGGCAGGGACCATTGCTCTGAACTTGCTGTGAGGACAC
ACAGACTTGCTTTTAAAGGGTTATATTTCTCTTTGGTGTAAACTAAAAGAAATGTTTTTAGCTGTAGCCT
GGAATCCATATATATAAAGTAGAGGAGGGCAGAACATTTGTCCTCTCAGCCAGGCTCCTTAGCTCTGTGG
CTGTGACTGCTGTGTCCAGGCTGTCTCAGGAAGGAAGAGGTGGCCCCAGTGGGCTTGACAGCAAAGAGAA

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TGAATGCCTTGAACTTTGGTCTCCCTTGCCTAAGGCGTTTGGGATCTGTGGCTGTGGGGCTCTGCTGATG
GTGAGGTGAAGCCCTCGGCTGGCACACGGTCTCCATGCCCAATCATCCCTTATTTCCCAGAACTGGGGAA
GGTTAAGTGCCCACGTCCTGAGGGCCATCTTAGTTTCGTGCCAGTGCTGTAACAGATGCCTCAGGGCATT
AGAGGGCTAGCTGCACAGACGGACTCACCCTTGGGTCTGATTTTGGCATGGGGCTAGATCGGTGAAACTG
AGCTAAGGCCAACTCAGCAGAGGGCAGGCCCTGGGCTCCCTAGGCACCCACTGGCATGTAACCCTGTTCC
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ACTAAGATGGGCACAGCTGTTTGCTGAGGAGAGCCAGTGTCCCAGGAGGCCTAAGGGCGGGACTTTAGTG
GCTCTGGCCCAGACAGTATTTGCAGTTCTGGGCTCTGGGTGGCATCCCTTCCTCACCTGGGGCAGCTGTG
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GCCAAGCTCAAGGCAGCAGCCCTGTATGTGGTGCTCCAGGCTCTAGGCCTGGAGGGAGAACTTTAAACTT
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GGGTTTGTCAGTAAGTCCATTTGTCCACCTGCTAGCCCCTGTCTCATGGTGAGCTTTCTGGAGTATAGCC
TTGTTGGTTAGTATATATTGATTTCCTTCATGCTTCCCCCAGCAGTCTTCTCCTTTCCTTTTCTGAGGTG
AGTCTGCTCCTGTGCCCCTCCTCAGCAGGTTCTGCTGTTACAAACCTGGTGGCCAAATGATTCATAGTGG
TGTTTACCTGCTAGCCCAGTGGCCTTCTTGTGGGCCTGGGGTATGGCCTTCAGCACCAACGGTGGGTAAT
GAAGGCTCAGGGTTGACCCTGACCTATTGCTTTTATTTCTGCTACCAGTCCTTTCATGGTAGAGACCTGC
TGCTGCCTGTAACATAGTGTCCGACAGGTTACACTACACCAATCATTGCCAAGGTGAGCAACAGTCTCCA
AGTCTATCACTTCTAACATGTCTCTGTTTTGGCATTTGAAGGTAATCCTGCCAACCTTTGAGAGAAACTG
TTAACGAATGGCATAATTTCCAGGTTCTTAGAGATGCAGCCTCTGAAAAGGGTTCTGTGACGGATCCAAG
TCAGTCTTCTGACCCTGGTGCCATTGGTGGGCAGGTTCCCATTCCTTAGGGCCGGGAGGCACGGCTTGGC
CCATCTCTGCTTACTAACACCTGTCTTCTGTCCAGTAGTAGTGTTGCTTGTGCCATGCAGGCAGCAAGTG
TTAATTAGCGTGGACACCTTTTCTTTGGCAGGATAGAGGTCAAGAGAGGAGTTTGGGGCCAGCAGAGACC
TCCTAGGAATGTGCTGTACTTCCGATTTACCAGATTTTGGGAGGTGCTGCCCCCATTCTGCTGCTTCTCA
AGTAGCAAGGGAGTTGGTAGGCACTGCTCCTGCCACTGCAAGCGAGGAAAGGCTGGGATTTGCCGCTGCT
CAAGGGCAGGGCCTCACTTTTCAGCACTTTTGATATCTGGAGGCCCAGCTCTGTTATCTGATAGGTGGTG
GCAAGTGTGTGCGAACACTTTTACCACTGCTCTTCTGCCTGTCCCAGGCTAGAGCCCTGTCTTTTTCCTG
ACAGGTCCTGCCTTCCCAATCATCAATTTGGGACCAAAGTGCAACTAGGGATCATGGGTTGGGAGCTCAC
ATTACCCCTTTCCATTGTATTTCCCGGGCCAAGCCCATACCAGCCCGGGGAGATGGGTGGGAGTGAAATG
GGATGGGTGCTGCTGGAAGAGGAAGGGACCAGTAGAGCAATGTCCTTGCCTGGGATTCTACCCCTCTCAG
CTGTGGGCCGTGCAGTGGTGTGGGGATTCATTCTCTCCTAGGGGCAAGGGACCTGGGCTCGGACAGTATC
CGTTCAGTATCCGCTGCTCATTCGCTCACATCTGGCCACGTGCACGTTCCCTAGATGCAAACTGCTTTGA
ACTTTACAGCTATATAAGTTGGTTGTGTGTGTGCTCATTTTAAAAACTACATTTTAACGAGGAAAAAG
GAGAACCTGGGGAAATTTCCTTTGCTTCTGTGGAGGAAATGTAAGACTTGGAATTCTGGAAATTGTTATC
TGCTCCTCTTTCCTGGAAGCTACACACCCTAAGACCTGCGCCTGGATGCATACGTGGCTCCACTGGCGCT
TAGGCGCGCTTGCATTTTCCCCAGGTCTTCTGTGTGGTGGAGAGGAGTGCTTGGCCCAAGCCGGCCCTTT
TCTGTACACCCAGCGCTATCCGCCCGCTTGTGTCTGGTCGTATACGTCAAAATAAAGCCTCTAGAAACTG AAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_013785

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC059006, AAH59006
RefSeq Size:	4429 bp
RefSeq ORF:	1302 bp
Locus ID:	27399
UniProt ID:	Q6PD10
Cytogenetics:	9 F1
Gene Summary:	Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). Converts 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4.[UniProtKB/Swiss-Prot Function]