

Product datasheet for **MR207147**

Ip6k2 (NM_029634) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ip6k2 (NM_029634) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ip6k2
Synonyms:	1500005N04Rik; AW050208; Ihpk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR207147 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGAGCCAGCCTTCAGGACCATGGACGTGGAGCCCCGCACCAAGGGCATCCTGCTGGAGCCATTTGTCC
ACCAGTTGGGGGCACTCATGCGTTCTCCGATCAATGAGACAACCCTGTGCAAGCCCCTGGTTCCGAG
GGAGCATCAGTTCTACGAGACCCTCCAGCTGAGATGCGCAGATCACTCCCCAGTACAAAAGCTGTCTTG
ATATTTGTTAGGTGTGCAGATGAGTTTGGGCTCTGGCAACATAGAGACTAAGGAACAGGGTGTGGTAT
CAGTACGCTTTGAAGAAGATGAAGACAGGAACCTGTGTTAATAGCATATCCATTAAGGGGACCATTG
AACTGTGGATATAGTAGACAATTCGACTGTGAACAAAAAGTAACTGCTAAGATGGACAAAAAAG
CATCATGCCCTAGAAACAGAAAAGAAATCCAAGGACTGGTGCAGCAGCCGAAAGAGGAGAAGATGA
AGAGCCATAAGTTAGAAGAAGAATTTGAGTGGCTAAAGAAATCTGAAGTCTTATACTACAGTGTAGAAA
AAAGGAAATGTAAGTTCCAGCTTAAACACTATAACCCTGGAGCATGAAATGCATCAACAACAGTTA
CAGAGAATGAAGGAGAATGCCAAGCATCGAAACAGTACAAATTCATCTTACTGGAGAACCCTGACTCCC
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AAAAGCAGCTAACAGATCCGAAAATGTCAGCAGAGCAGCTGTCGGTCAATCGGTGTTCCAGTGTGCGGC
ATGCAGGTGTACCAGGCGGGCACTGGGCAGCTCATTTTCATGAACAAGTACCATGGGCGGAAGCTTTCGG
TGCAGGGCTTCAAGGAGGCGCTTTCCAGTTCTTTCAATGGGCGGTACCTGCGCCGTGAGCTCCTGGG
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AGTTCCCTACTGGTCATCTATGATGGCAAGGAGTGGCCAGAAGTACCCTGGACTCAGACGCTGAGGACT
TGGAGGACCTCTCGAAGAGTCGGCTGATGAGTCTGCCGTGCCATGCTTACAAGCCCATCGGTGCCAG
CTCAGTGGACGTGCGCATGATTGACTTTGCACACACCACCTGCAGGCTGTATGGCGAGGACAGTGTGGTG
CATGAGGGCCAGGATGCTGGCTATATCTTTGGGCTGCAGAGCCTGATAGACATTGTCACAGAGATAAGT
AGGAGAGTGGGGAGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207147 protein sequence

Red=Cloning site Green=Tags(s)

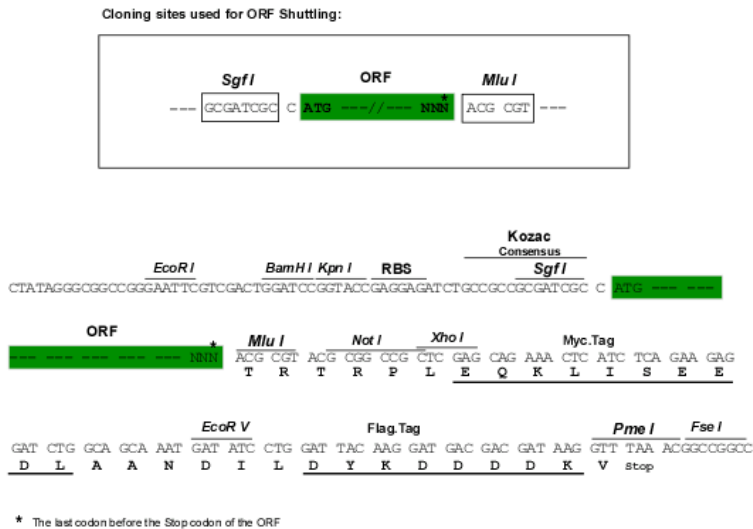
MSPAFRTMDVEPRTKGILLEPFVHQVGGHSCVLRFNETTLCCKPLVPREHQFYETLPAEMRRFTPQYKAVL
IFVRCADFEFGASNIETKEQGVSVRFEEDRNLCLIAYPKGDHGTVDIVNSDCEPKSKLLRWTNKK
HHALETEKNPKDWRQHRKEEKMKSHKLEEEFEWLKKSEVLYYSVEKKNVSSQLKHYNPWSMKCHQQQL
QRMKENAKHRNQYKIFILLENLTSRYEVPVLDLKMGTROHGDDASEEKAANQIRKCCQSTSAVIGVRVCG
MQVYQAGTGQLIFMKNKYHGRKLSVQGFKEALFQFFHNGRYLRRELLGPVLKKLTELKAVLERQESYRFYS
SSLLVIYDGKEWPEVTLDSDAEDLEDLSEESADESAGAYAYKPIGASSVDVRMIDFAHTTCRLYGEDSVV
HEGQDAGYIFGLQSLIDIVTEISEESGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_029634

ORF Size: 1347 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_029634.1](#), [NP_083910.1](#)

RefSeq Size: 1842 bp

RefSeq ORF: 1347 bp

Locus ID: 76500

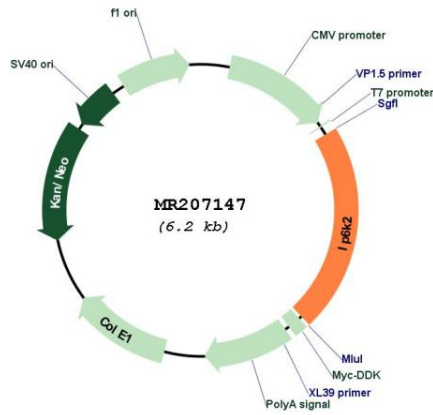
UniProt ID: [Q80V72](#)

Cytogenetics: 9 F2

MW: 51.6 kDa

Gene Summary: Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5) (By similarity). May play a role in the regulation of Na(+)-dependent phosphate cotransport, possibly via its role in diphosphoinositol pentakisphosphate (InsP7/PP-InsP5) biosynthesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207147