

Product datasheet for SC301059

IP6K1 (NM_001006115) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IP6K1 (NM_001006115) Human Untagged Clone
Tag:	Tag Free
Symbol:	IP6K1
Synonyms:	IHPK1; PiUS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301059 representing NM_001006115. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTAGATGGCAACAGTGGCTTGAGTTCTGAGAAGATCAGCCACAACCCCTGGAGCCTGCGTTGTCAC
AAGCAGCAGCTGAGCCGCATGCGCTCCGAGTCCAAGGACCGAAAGCTCTACAAGTTCTCTGCTTGAG
AACGTGGTGCACCACTTCAAGTACCCTGCGTGTGGACCTGAAGATGGGCACGCGGCAGCATGGCGAT
GACGCGTCAGCTGAGAAGGCAGCCCGGCAGATGCGGAAATGCGAGCAGAGCACATCAGCCACGCTGGGC
GTCAGGGTCTGCGGCATGCAGGTGTACCAGCTGGACACAGGGCATTACCTCTGCAGGAACAAGTACTAT
GGCCGTGGGCTCTCCATTGAAGGCTTCCGCAATGCCCTCTATCAATATCTGCACAATGGCCTGGACCTG
CGACGTGACCTGTTTGAAGCTATCCTGAGCAAACCTGCGGGGCTGAAAGCTGTGCTGGAGCGGCAGGCC
TCTTACCGCTTCTACTCCAGTTCCTTGCTGTGCATCTATGATGGCAAGGAGTGGCGGGCTGAGTCCCTGC
CTGGACCGCCGGTCTGAGATGCGTCTCAAGCACCTGGACATGGTGTCCCTGAGGTGGCGTCATCCTGT
GGCCCCAGCACCAGCCCCAGCAACACCAGCCCCGAGGCGGGTCCCTCCTCTCAGCCCAAGGTGGATGTC
CGCATGATTGACTTTGCACACAGCACATTCAAGGGCTTCCGGGATGACCCACCGTGCATGATGGCCA
GACAGAGGCTACGTGTTTGGCCTGGAGAACCTCATCAGCATCATGGAACAGATGCGGGACGAGAACCAG
TAG
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001006115
Insert Size:	831 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001006115.2</u>
RefSeq Size:	4117 bp
RefSeq ORF:	831 bp
Locus ID:	9807
UniProt ID:	<u>Q92551</u>
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome
MW:	31.5 kDa
Gene Summary:	<p>This gene encodes a member of the inositol phosphokinase family. The encoded protein may be responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) lacks an in-frame portion of the 5' coding region compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1.</p>