

Product datasheet for **SC322387**

IP6K1 (NM_153273) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	IP6K1
Synonyms:	IHPK1; PiUS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene sequence for SC322387 AGCTGAATAGAATCTGACCATTGGCTTTACCTGGCCAGGACCTTCTATGTAGCTCTCCT TTTGTGGCCCATGTGCTGCATCCTCTGCCCTCAGTGTGCAACTGGCCCCAACGCAATGT GTGTTTGTCAAACCATGGAAGTGGGGCAGTATGGCAAGAATGCAAGTCGGGCTGGAGACC GGGGAGTCCTCCTGGAGCCCTTCATCCACCAAGTAGGCGGACACAGCAGCATGATGCGTT ACGACGATCACACTGTGTGCAAGCCCTCATCTCCCGGAACAGCGCTTTACGAGTCCC TCCCTCCCGAAATGAAGGAGTTCACCCCTGAATACAAAGGCGTGGTATCTGTCTGTTTTG AGGGGGACAGTGATGGTTACATCAACTTAGTGGCTATCCTTATGTGAAAGTGAGACTG TGGAACAGGATGACACAACAGAACGGGAGCAACCTCGGCGCAAACTCCCGCCGGAGCC TGCACCGGTGAGGAGTGGCAGTGACCACAAGGAGGAGAAAGCCAGCCTGTCCCTTGAGA CCTCTGAGAGCTCACAGGAGGCAAGAGTCCGAAGGTGGAGCTGCACAGCCACTCAGAGG TCCCTTTCCAGATGCTAGATGGCAACAGTGGCTTGAGTTCTGAGAAGATCAGCCACAACC CCTGGAGCCTGCGTTGTACAAAGCAGCAGCTGAGCCGATGCGCTCCGAGTCCAAGGACC GAAAGCTCTACAAGTTCCTGCTTGAGAACGTGGTGACCACTTCAAGTACCCCTGCG TGTTGGACCTGAAGATGGGCACGCGCAGCATGGCGATGACGCGTCAGCTGAGAAGGCAG CCCGGCAGATGCGGAAATGCGAGCAGAGCACATCAGCCACGCTGGGCGTCAGGGTCTGCG GCATGCAGGTGTACCAGCTGGACACAGGGCATTACCTCTGCAGGAACAAGTACTATGGCC GTGGGCTCTCCATTGAAGGCTTCCGCAATGCCCTCTATCAATATCTGCACAATGGCCTGG ACCTGCGACGTGACCTGTTTGAGCCTATCCTGAGCAAACTGCGGGGCTGAAAGCTGTGC TGGAGCGGCAGGCCTCTTACCGCTTCTACTCCAGTTCCTGCTTGTATCTATGATGGCA AGGAGTGCCGGGCTGAGTCCTGCCTGGACCGCGGTCTGAGATGCGTCTCAAGCACCTGG ACATGGTGCTCCCTGAGGTGGCGTCATCCTGTGGCCCCAGCACCAGCCCCAGCAACACCA GCCCCGAGGCGGGTCCCTCCTCTCAGCCCAAGGTGGATGTCCGATGATTGACTTTGCAC ACAGCACATTCAAGGGCTTCCGGGATGACCCACCGTGCATGATGGGCCAGACAGGGCT ACGTGTTTGGCCTGGAGAACCTCATCAGCATCATGGAACAGATGCGGGACGAGAACCAGT AGGCCCTGTTCTGGGCCCCAGAACCCTTCTCTCCACTGCAGGCGAGGACCATTTGTTT TGAACCTGGCGTGAGGACACAGACTTGCTTTAAAGGGTTATATTTCTTTTGGTGTA AACTAAAAGAAATGTTTTAGCTGTAGCTGGAATCCATATATATAAGTGAAGGAGGGC AGACCACAGCCCTCTCAGCCAGGCTCCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAA
Restriction Sites:	Please inquire
ACCN:	NM_153273
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:	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:	<u>NM_153273.3, NP_695005.1</u>
RefSeq Size:	4468 bp
RefSeq ORF:	1326 bp
Locus ID:	9807
UniProt ID:	<u>Q92551</u>
Cytogenetics:	3p21.31
Domains:	IPK
Protein Families:	Druggable Genome
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same protein.