

Product datasheet for SC325060

IHPK3 (IP6K3) (NM_001142883) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IHPK3 (IP6K3) (NM_001142883) Human Untagged Clone
Tag:	Tag Free
Symbol:	IHPK3
Synonyms:	IHPK3; INSP6K3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325060 representing NM_001142883. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGTTGTGCAAAACAGCGCAGACGCCGGGACATGAGGGCAGGCGTGCAGCTGGAGCCCTTCTGCAC
 CAGGTCGGGGGGCAGATGAGCGTGATGAAGTATGACGAGCATACGGTGTGCAAGCCCTCGTCTCCCGG
 GAGCAGAGGTTCTATGAATCCCTGCCGTGGCCATGAAGCGTTACCCACAGTACAAAGGTACCGTC
 ACAGTGCACCTCTGAAAGACAGCACAGGCCATCTCAGCTTGGTTGCCAACCAGTGAAGGAGAGCCAG
 GAGCCCTCAAGGTCTCCACAGAGTCGGCGCGGTGGCCATATGGCAGACGCTCCAGCAGACCACCGGC
 AGCAATGGCAGCGACTGCACCTTGCCAGTGGCCGATGCCAGCTGGCAGCTCACCAAGGAGAGC
 CCGGCCAAGGCTTTCTGAGGTCCGAGCCCACTCAACACTCCAGCCTTCTCGCTGGTGAAGACACC
 AACGGAACAGGTTGAGAGGAAGAGCTTCAACCCGTGGGGCCTGCAATGCCACCAGGCCACCTGACC
 CGCCTGTGCTCCGAGTACCCAGAGAACAAGCGGCATCGGTTCTTGTGCTGGAATGTAGTGTCACAG
 TACACGCATCCCTGTGCTGCTGATCTGAAGATGGGGACCCGGCAGCACGGCGATGATGCATCGGAGGAG
 AAGAAGGCCCGCCACATGAGGAAGTGTGCGCAGAGCACCTCAGCTGCCTGGGTGTGCGCATCTGCGGC
 ATGCAGTTTATCAAACAGATAAGAAGTACTTTCTCTGCAAAGACAAGTACTATGGAAGAAAACCTCA
 GTGGAGGGGTTGAGACAAGCCCTCTATCAGTTCCTACATAATGGAAGCCACCTCCGAGGGGAGCTCCTG
 GAGCCCATCCTGCACAGCTCCGGGCCCTCCTCTGTCTATTAGGAGCCAGAGTTCATACCGCTTCTAT
 TCCAGCTCTCTCTTGTCTATCTATGATGGCAGGAACCAAGAGAGCCAGGAGCCCGCATCCT
 CACGAGGCTCCCGAGGACGCCACGGTAGCTCTCCCGTGGTCTCACCAAGGTTGACATCCGCATGATT
 GACTTTGCTCATACCACATACAAGGGCTACTGGAATGAGCACACCACCTACGATGGACCAGACCCTGGC
 TATATTTTGGCTGGAAAACCTCATCAGGATCCTGCAGGATATCCAAGAGGGAGAA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001142883
Insert Size:	1233 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).
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.
RefSeq:	<u>NM_001142883.1</u>
RefSeq Size:	2840 bp
RefSeq ORF:	1233 bp
Locus ID:	117283
UniProt ID:	<u>Q96PC2</u>
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome
MW:	46.4 kDa
Gene Summary:	This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely 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. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1.