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Product datasheet for SC123762

Inositol Hexakisphosphate Kinase 2 (IP6K2) (BC004469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inositol Hexakisphosphate Kinase 2 (IP6K2) (BC004469) Human Untagged Clone
Tag:	Tag Free
Symbol:	Inositol Hexakisphosphate Kinase 2
Synonyms:	ATP:1D-myo-inositol-hexakisphosphate phosphotransferase; IHPK2; inositol hexakisphosphate kinase 2; inositol hexaphosphate kinase 2; insP6 kinase 2; OTTHUMP00000164824; Pi uptake stimulator; PiUS
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC004469 edited GGCACGAGGGAGAGAAACAATAGGACGGAAACGCCGAGGAACCCGGCTGAGGCGGCAGCA GAGCATCCTGGCCAGAACAAGCCAAGGAGCCAAGACGAGAGGGACACACGGACAAACAAC AGACAGAAGACGTACTGGCCGCTGGACTCCGCTGCCTCCCCCATCTCCCCGCCATCTGCG CCCGGAGGATGAGCCCAGCCTTCAGGGCCATGGATGTGGAGCCCCGCGCCAAAGGCGTCC TTCTGGAGCCCTTTGTCCACCAGGTCGGGGGGCACTCATGCGTGCTCCGCTTCAATGAGA CAACCCTGTGCAAGCCCCTGGTCCCAAGGGAACATCAGTTCTACGAGACCCTCCCTGCTG AGATGCGCAAATTCACTCCCCAGTACAAAGGACAAAGCCAAAGGCCCCTTGTTAGCTGGC CATCCCTGCCCCATTTTTTCCCCTGGTCCTTTCCCCTGTGGCCACAGGGAAGTGTGGCCT GAATACCCCACCCCGGCTCCTCTGCACCCAGAGCTGGGGGCCACCTCAGAAGTGTCATCT CTCTCTGAGCACGCATTCCCCTGCAGCAGTCGAGGACTGAGCAGATTGAGTGATGCTGGG GCAGAGAGGCCTGGGAGGAAAGGTGTTCAGCCAGTCGTTTGTAAGGCGCTCGTCGGCACC TGCTGAAACGCCCCCACCTGACAGCCCCATCCTCAAAGACTGTCTTAATTACTCATGGCA GGTTCTAGAGACTTAAGGGGAAAAGCTGCTTTCAAGGCCACCACATGTCTGTGCTCCCCA ACCAGCTCTATCTGCCTTGTGTTCATTTTGTTATTTTGTGACGTGAGACTGCAAAGACCA ATAAAAACATATTTTATAAGAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC004469 unedited
NGGCGCCAGAATTGTAAACGACTCATATAGGCGGCACGCGAATTCGCACGAGGAGAGAGA
ACAATAGGACGGAAACGCCGAGGAACCCGGCTGAGGCGGCAGCAGAGCATCCTGGCCAGA
ACAAGCCAAGGAGCCAAGACGAGAGGGACACACGGACAAACAACAGACAGAAGACGTACT
GGCCGCTGGACTCCGCTGCCTCCCCCATCTCCCCGCCATCTGCGCCCGGAGGATGAGCCC
AGCCTTCAGGGCCATGGATGTGGAGCCCCGCGCCAAAGGCGTCCTTCTGGAGCCCTTTGT
CCACCAGGTCGGGGGGCACTCATGCGTGCTCCGCTTCAATGAGACAACCCTGTGCAAGCC
CCTGGTCCCAAGGGAACATCAGTTCTACGAGACCCTCCCTGCTGAGATGCGCAAATTCAC
TCCCCAGTACAAAGGACAAAGCCAAAGGCCCCTTGTTAGCTGGCCATCCCTGCCCCATTT
TTTCCCCTGGTCCTTTCCCCTGTGGCCACAGGGAAGTGTGGCCTGAATACCCCACCCCGG
CTCCTCTGCACCCAGAGCTGGGGGCCACCTCAGAAGTGTCATCTCTCTCTGAGCACGCAT
TCCCCTGCAGCAGTCGAGGACTGAGCAGATTGAGTGATGCTGGGGCAGAGAGGCCTGGGA
GGAAAGGTGTTCAGCCAGTCGTTTGTAAGGCGCTCGTCGGCACCTGCTGAAACGCCCCCA
CCTGACAGCCCCATCCTCAAAGACTGTCTTAATTACTCATGGCAGGTTCTAGAGACTTAA
GGNGAAAAGCTGCTTTCAAGCCACCACATGTCTGTGCTCCCCACCAGCTCTATCTGCCTT
GTGTTCATTTTGTTATTTTGTGACGTGAGACTGCANAGACCAATAAACATATTTTATAAG
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Restriction Sites: Please inquire

ACCN: BC004469

Insert Size: 879 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.

RefSeq: BC004469.1, AAH04469.1

RefSeq Size: 879 bp

Locus ID: 51447

Cytogenetics: 3p21.31

Protein Families: Druggable Genome

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 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]