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Product datasheet for SC210111

Inositol Hexakisphosphate Kinase 2 (IP6K2) (NM_001146179) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Inositol Hexakisphosphate Kinase 2
Synonyms:	IHPK2; InsP6K2; PIUS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001146179
Insert Size:	828 bp

Insert Sequence:

>SC210111 3'UTR clone of NM_001146179
The sequence shown below is from the reference sequence of NM_001146179. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTGTTGGGGAGTGGGGGAGTCTTTTGTAAATCAAGACAAAGCCAAAGGCCCCTTGTTAGCTGGCCATC
CCTGCCCCATTTTTTCCCCTGGTCCTTTCCCCTGTGGCCACAGGGAAGTGTGGCCTGAATACCCCACCC
CGGCTCCTCTGCACCCAGAGCTGGGGGCCACCTCAGAAGTGTCATCTCTCTCTGAGCACGCATTCCCCT
GCAGCAGTCGAGGACTGAGCAGATTGAGTGATGCTGGGGCAGAGAGGCCTGGGAGGAAAGGTGTTCAGC
CAGTCGTTTGTAAGGCGCTCGTCGGCACCTGCTGAAACGCCCCCACCTGACAGCCCCATCCTCAAAGAC
TGTCTTAATTACTCATGGCAGGTTCTAGAGACTTAAGGGGAAAAGCTGCTTTCAAGGCCACCACATGTC
TGTGCTCCCCAACCAGCTCTATCTGCCTTGTGTTCATTTTGTTATTTTGTGACGTGAGACTGCAAAGAC
CAATAAAAACATATTTTATAAGAACAAAAGGCCTGGGTGCCTACCCGTGTGGGGGCACTGTGGGAAGCC
TTTGCTAGGGTGTCTTGTGCTGTGTGGTTTGTTTTGTTTGCCCCTTTATTTTGCTTTGCTTACCCAGTC
TTCCCTTACTCTTGGATGCTTCTTAACCCTCAGGCAAACCTGTGTTCCCCCTGTATTCAGGCTCTGCTT
TAAAGCAAGCCATGAGGCTGTTGGAGTTTCTGTTTAGGGCATTAAAAATTCCCGCAAACTATAAAGAGC
AATGTTTTCAGTCTTTTAGGATTAGAAGAATTACATAAAAATTAATAAACATTTTCAATGATGGAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

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OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001146179.3

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]

Locus ID: 51447

MW: 30.5