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Product datasheet for SC112445

IPPK (NM_022755) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPPK (NM_022755) Human Untagged Clone
Tag:	Tag Free
Symbol:	IPPK
Synonyms:	bA476B13.1; C9orf12; INSP5K2; IP5K; IPK1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC112445 sequence for NM_022755 edited (data generated by NextGen Sequencing)

ATGGAAGAGGGGAAGATGGACGAGAATGAATGGGGGTACCACGGAGAGGGCAATAAGAGC
CTGGTGGTGGCCCACGCGCAGCGCTGCGTCGTGCTGCGGTTTCTGAAGTTTCCTCCAAAT
AGGAAGAAGACCTCGGAAGAGATATTTCAACACCTGCAGAACATAGTGGACTTTGGGAAA
AATGTCATGAAGGAGTTTTTGGGGGAGAACTATGTTCATTATGGGGAGGTCGTTCAGCTA
CCTTTAGAGTTTGTGAAACAGCTTTGTTTAAAGATACAATCTGAAAGACCAGAGTCTCGC
TGTGACAAGGACCTGGATACTCTCAGTGGTTACGCTATGTGCCTTCCTAATTTAACCAGA
CTCCAAACCTACCGCTTTGCAGAGCACCGGCCGATTCTGTGTGTAGAGATTAAGCCAAAA
TGTGGGTTTATTCCTTTCTCGAGTGATGTCACGCATGAGATGAAGCATAAGGTCTGTCGA
TACTGCATGCACCAGCACCTCAAGGTAGCAACTGGGAAGTGGAAGCAGATCAGCAAATAC
TGTCCCCTTGATCTCTACTCAGGAAACAAACAGAGAATGCACTTTGCCTTGAAGAGTTTG
CTGCAGGAGGCACAGAACAACTTGAAGATATTTAAGAATGGTGAGCTGATTTACGGCTGC
AAAGATGCCCGGAGCCCCGTGGCTGACTGGAGCGAGCTTGCACACCACCTGAAGCCGTTC
TTCTTCCCTTCCAACGGCCTGGCCAGTGGGCCCCACTGCACAAGGGCTGTGATCAGGGAG
CTGGTGCACGTGATCACACGGGTGCTGCTGAGTGGCTCGGACAAGGGCCGGGCAGGCACC
CTGAGTCCGGGGCTCGGGCCTCAGGGCCCGCGAGTCTGCGAAGCCAGCCCTTTCAGTAGG
AGCCTTCGCTGCCAAGGAAAAAACACCCCAGAGCGCTCGGGGTTACCGAAGGGCTGTCTT
CTGTACAAAACCCTCCAGGTGCAGATGTTGGACCTGCTGGACATCGAAGGCCTCTACCCT
CTGTACAACCGGGTTGAGCGATACCTGGAAGAGTTTCCCGAGGAGAGAAAAACCTTACAA
ATAGATGGGCCTTATGATGAAGCATTTTACCAGAAGCTGCTTGACTTTTCCACTGAGGAT
GACGGGACAGTGGCCTTCGCGCTAACGAAGGTGCAGCAGTACCGCGTCGCCATGACTGCC
AAGGACTGCTCCATCATGATTGCACTGTCTCCCTGTCTGCAGGATGCCAGCTCTGATCAA
AGGCCTGTCGTCCCTTCATCGAGGTCCAGGTTTGCCTTTTCCGTGTCTGTGCTGGACCTT
GACCTCAAGCCCTACGAGAGCATTCCCCATCAGTATAAACTGGACGGCAAGATCGTCAAC
TATTATTCAAAGACTGTACGTGCCAAAGACAACGCCGTGATGTCGACTCGGTTCAAGGAA
AGCGAAGATTGCACATTAGTTCTCCACAAGGTCTAA

Clone variation with respect to NM_022755.5
1126 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022755 unedited
CCCTGTCAGGATTTGTATACGACTCATATAGGCGGCCTGCGAATCGGCACGAGGGCGGCC
CCCAGCTCGCGTCCCCGAGTCCTAGCCCGCGAGGCGCCAGGGCTGCGCCTGGGCATGGAA
GAGGGGAAGATGGACGAGAATGAATGGGGGTACCACGGAGAGGGCAATAAGAGCCTGGTG
GTGGCCCACGCGCAGCGCTGCGTCGTGCTGCGGTTTCTGAAGTTTCCTCCAAATAGGAAG
AAGACCTCGGAAGAGATATTTCAACACCTGCAGAACATAGTGGACTTTGGGAAAAATGTC
ATGAAGGAGTTTTTGGGGGAGAACTATGTTCATTATGGGGAGGTCGTTCAGCTACCTTTA
GAGTTTGTGAAACAGCTTTGTTTAAAGATACAATCTGAAAGACCAGAGTCTCGCTGTGAC
AAGGACCTGGATACTCTCAGTGGTTACGCTATGTGCCTTCCTAATTTAACCAGACTCCAA
ACCTACCGCTTTGCAGAGCACCGGCCGATTCTGTGTGTAGAGATTAAGCCAAAATGTGGG
TTTATTCCTTTCTCGAGTGATGTCACGCATGAGATGAAGCATAAGGTCTGTCGATACTGC
ATGCACCAGCACCTCACGGTAGCAACTGGGAAGTGGAAGCAGATCAGCAAATACTGTCCC
CTTGATCTCTACTCAGGAAACAAACAGAGAATGCACTTTGCCTTGAAGAGTTTGCTGCAG
GAGGCACAGAACAACTTGAAGATATTTAAGAATGGTGAGCTGATTTACGGCTGCAAAGAT
GCCTGGAGCCCCGTGGCTGACTGGAGCGAGCTTGCACACCACCTGAAGCCGTTCTTCTTC
CCTTCCACGGCCTGGCCAGTGGGCCCACTGCACAAGGCTGTGATCGGCAGCTGGTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022755 unedited
CGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCTAAAAAATTGCCTTGATT
CAAACAAGTATAATTCTCAAGTTATCACAAAATTTCCCACAAAAATTTACAATCAGCAAA
ATAGTTTCCTTATTTCTCATGTATCATTTTCATATAATTCCATGGTTTCACTAATATTAT
ATGTTACAATAAGCCTCCATTAGTCCCTCAAAACGATGATATAAATAAGTCTGTACAACC
TAGCATAGAATAAAAAACTGAAACCAAGATTCCCAACGTTTTTCATAGCAGCCGGGCACA
CTTTGGTGACCCCAACAAGAACCCTCTCGGCAGCAGCCAGGAGCTGTTCACCTTCCAGAA
GCAGGGCCTGTGGCAGCCTAACAGGGAGAGGCCACGGGGCCCAAAAACGCAACACGTCTC
AAGGCAAACCCGAGGGAGGAACTTGGTCTGGGAGGAAGAGAGAACTCGCTCCTCAACCAC
CCCAGACACTGGAGTGTCAGGAAAGCACTGAGCTGTTGGGGCACACTGCCCAGCCCGGCC
ACAGCAGCTCAGCCAGTCACAGCTCCACCTCCAACTTCTACAGCAGCAATTTTTAGTGGG
AAAGAACAGCTCATCTCCCCCTCATGTGAAAGATTAAATTGTAAAGCAAAAAAAAAAAGG
TCAATGCTCGCATGAGTGGTGTCCATCCTGACCTGAGCCTTGCGCTCCCTGCTGCCCTGT
GTGGAACTGTGGGCTTCAGCACCTCCCAGGGACCCTGAGTCTACACTGCTCAAAATCNGC
ATCTGCGCGACCACGAGGTCACGCTGTGCAGCAGGGGAACACCTAAAAACCCTGTGTGAT
ATGTGCCTTGACTGAAAAAGTGACCTGTAACTCAGCTGGGGGAAAGTCCAGTATATCCAT
GGTTTTCTAAAAGTCCAACTGTAAATGTATGTGACAATTCAAGTTTCTTGTTAGAAA

Restriction Sites: NotI-NotI

ACCN: NM_022755

Insert Size: 3000 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: NM_022755.4, NP_073592.1

RefSeq Size: 4401 bp

RefSeq ORF: 1476 bp

Locus ID: 64768

UniProt ID: Q9H8X2

Cytogenetics: 9q22.31

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Gene Summary: The protein encoded by this gene is a kinase that phosphorylates position 2 of inositol-1,3,4,5,6-pentakisphosphate to form inositol-1,2,3,4,5,6-hexakisphosphate (InsP6). InsP6 has a variety of functions, including stimulation of DNA repair, endocytosis, and mRNA export. [provided by RefSeq, Nov 2010]