

Product datasheet for **SC102622**

IPPK (AK094300) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPPK (AK094300) Human Untagged Clone
Tag:	Tag Free
Symbol:	IPPK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK094300, the custom clone sequence may differ by one or more nucleotides

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CCCAGCCTTAGTTTGTCCCTAGGCCTCTAGAGCACCACAGTTACTGGAAC TTCACAGGTGCGGCCACTGC
GCACACCTTCCTGGAAGCAGGCCAGCCCCACACGCCATGTTCTCGGAGGAGAAGCCTTCTCTGAGATCC
TCTCCTTTTGTGAGAAAGCCTGGCTAGAGTGCTTTGTGCAGGATGGTCCAGTGCCTACACCCTAGGT
CTGAGAAGCCACATGGCTCAGTGCCTTCAGGACATGCCCTCCCCTCCCCTCCTAGTGTGCTTTCTGCTGA
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CAGGCACTAAGAGATTCCAGGTGCTAGACGAGGTGAGTAACATGTCTGTCTCAGCGGCCCTTTCACAG
CCCACCTAAGGGCACCCTGCATCCAAGCACATTTCCATTGCCAGCTGCATCCTTGGTCGGGGGGCTGCT
GAACAGTGGTATCTTCGTGGTTTTCTCTCATCGAACACCACCAGCTTAATCCAGTTAAGGAATTCCTCA
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GAACAGGAATCCTGGGAAGTGTAGTTAAAAGCACCGGAAAGTGAGTGGCTGCCAGCCAGCAACCAA
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CAGTAACTTTCAATGACTAACAATCCTTTAAGTTATTCTCCATAAATCTGTCTTTTACTGAATTACA
AGCTTCTAGAGGGCGAGAGTTAGTAAGCCCCATGATGTACATAGGCCAAGGAAGTTATGTCACTCCGCT
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CCAGGTCACACAGGAAGCCTCTGCCCCCCACACAACCTTCCTTCCAGTAGCCAAGTGTGGGAAGTGTCT
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CAGTCGGCCTTTGGAAGGAAAAGCAGTAAGCCACCTGAGCCCCGATGTTGGCCCACTCAGAGTATCAA
GTGAGTATCACTCGACACCTGCAAGGAGAGCGCAGGGGGTGTTCAGCAAGGCATCGCTTAGAACGACATT
CCCTCCGGAACATCATACAGCCACCAGAGACAACGGCAGACGGCCACCCTTCTACAGGCTGTGCATGTGT
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GCAGGGAGAAAGGTGAAGGACAGGCACCACAATGCTCACAAGTGTCTCCTCTACAGAGCAGAATGTGAGG
CACTCTCCTCTCCTTCTTTGGACTTTCATATATGTTTGCATTGTTTTAGATGGCATAGCTCTCGCT
TTCACAAAAATAACAGTTGTAAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK094300 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGTGTTTCAAATGGGAGG
 TCGAGAGGAGCATCAGGGTTTAGGCCGGGAAGCTGTGGCAGCTCTCTCCACAGTTCCAAA
 TTCCCAAAGGGACAAAGCTCTGCAGCGACAGGAAGGCAGATCCAAGTTGAGACATTTTCC
 TTTATGACAGGGCAGAAACAGTAGTGCAGAGCTGGAGAAGCCTTATTTTAGGGGTGTA
 AGAAGTTTAAATGTGGTCAATCTATCTGTGAGCTGCAAATTAGTCTAGGGATCTAAATTT
 AGTCTCAGGTCTACCAGGTATCTCAAGACGCCAAGATGACTCATGATAAATCCAGCCTT
 AGTTTGTCCCTAGGCCTTAGAGCACCACAGTTACTGGAACCTCACAGGTGCGGCCACTG
 CGCACACCTTCTGGAAGCAGGCCAGCCACACGCCATGTTCTCGGAGGAGAAGCCTT
 CTCTGAGATCCTCTCCTTTTGTGAGAAAGGCCTGGCTAGAGTGCTTTGTGCAGGATGGT
 TCCAGTGCTACACCCTANGTCTGAGAAGCCACATGGCTCAGTGCCTTCAGGACATGCC
 TCCCTCCCTCCTAGTGTGTTTCTGCTGAGCAGCTGGTCGTAAGGACCCGGCCTTCA
 GCTNTCCCGCATGCTGGCTTCCAAATTTGACATCACTGACCAGGCACTAAGAGATTCCC
 CAGTGCTAGACGAGGTGAGTAACATGTCTGTCTTCCAGCGCCTTTCACAGNCCACCTAA
 GGGCACCTGCATNCAGCACATTNCATTGCCAGCTGCTNCTTGGTCGGGGGCTGCTGACAG
 TGATCTCCGTGGNTTCTCTCATCGAACACACAGCTTAATCAGTAAGGAATTCTCACTA
 CTACCCTGAAGTATTTCTAGGGATACAGAGTTTACAATAGACACCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for AK094300 unedited
 NNNGGGTCTGCTATGGNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTT
 TTTTTTTTTTACAAGTGTATTTTTTTGTGAAAGCGAGAGCTATGCCATCTAAAACAATG
 CAAACCATATATGAAAGTCCAAAGAAGGAAGAGGAGAGAGTGCCTCACATTCTGCTCTGT
 AGAGGAGACAGTTGTGAGCATTGTGGTGCCTGTCTTACCTTTCTCCCTGCCCGCTCA
 CACACATGTGCACATGTACAGCTTTACGTATGTGCGACTCTGACAGTGTGGTGTGTGTTGA
 GCTGTCCCTGGTCAAGTATGGACAGACCCACATAGCTTGGAGCATGTGTTGAAGAGTGAA
 ATGTCAGAGCCAGCGTACCGGGTTTGTGCTCCCTGCCTTGCATTGACAAGCAGGGCATGA
 CAGACAAGTGTGCTGTGTCTGTTGCTGTGTAAGTGGGACGCCGGCCGTGCTGCC
 CTGTTGGGCTGCTGTGAGGGTGGAGCAAGTTAACACATGCACAGCCTGTAGAAGGTGGC
 CGTCTGCCGTTGCTCTGGTGGCTGTATGATGTTCCGGAGGGAATGTCGTTCTAAGCGAT
 GCCTTGTGAACACCCCTGCGCTCTCCTTGCAGGTGTCGAGTGATACTCACTTGATACT
 CTGAGTGTGGCCAACATGCGGGGCTCAGGTGGCTTACTGCTTTTCTTCCAAAGCCGAC
 TGTGGTGACCTTGTGAAGACAGATCATCCGTCTCAAGGTCTGGAGTCGGGGTCCACAC
 TGCTTGCCGTGAGAAGTCAAGGGGGCGGTGCTGGCCCTCTGAGCAGCCCCGTGGCACTGA
 GGGCTGGCCCAAGTGTCTCACAGGCCGACCNTCTGACGCCCGTGCTA

Restriction Sites:

NotI-NotI

ACCN:

AK094300

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: [AK094300.1](#)

RefSeq Size: 2476 bp

RefSeq ORF: 2476 bp

Locus ID: 64768

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]