

Product datasheet for **RN209419**

Ippk (NM_001008556) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ippk (NM_001008556) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ippk
Synonyms:	C9orf12; RGD1311271; rIpk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209419 representing NM_001008556
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAGGGGAAAATGGACGAGAATGAATGGAGTTACCATGGCGAAGGCAACAAGAGCCTTGTGGTGG
 CCCACGGCAGCGCTGTGTAGTTCTGCGCTTCTGAAGTTTCTCCAAATAAGAAGAAGACCTCAGAAGA
 GATACTTCAGCATCTGCAGAACATAGTGGACTTTGGCAAAAATGTCATGAAAGACTTTTTGGGAGAGAAC
 TATGTTTATTGTGGGAGGTTGTTTCTGAGTCTTCTGAGTTTGTGAAACAACCTGTGTTTAAAGATACAGT
 GTGAAAGACCAGAGTCCCCTTGTGACAAGGACCTGGACACACTCAGTGGTTATGCTATGTGCCTTCCCAA
 TTTGACCAGACTTCAGACCTTCCCCTTTCAGAGCACCACCAATTCTGTGTGTGGAGATTAAGCCAAAA
 TGTGGGTTTATTCCTTTCTCAAATGGTGTCAACCCAGGATGAAGCACAAGGTGTCCGGTACTGCATGC
 ACCAGCACCTCAAGGTAGCGACTGGAAAGTGAAGAAAAATCAGTAAATACTGTCCCCTTGACCTCTACTC
 AGGAAATAAGCAGCGTATGCACTTTGCCTTGAAGAGTCTTCTGCAGGAGGCGCAGAATAACCTTAGGATA
 TTTAAGAATGGAGAGCTGATTTATGGCTGTGCTGATGCCCGAGCCCCGTGGCTGACTTGAAGGCGCTTG
 CACACCACCTGAAGCCCTTCTTCTCCCTTCCAATGGCCTGGCCAGTGGCCCTCAGTGCACGAGGGCTGT
 GATCCGGGAGCTGGTGCATGTTATCACCAGGGTGTGCTCAGCACCTCAGACAAAGGCCGAGCGGGTGC
 TTGAGGCTTGGGCTCCAGGGCGCACGAGTCTGTGAAGCCAGCCATTGAGCAGGAGCCTACATCACCAG
 GAAAAACACCCAGAGCACTCGGGGTTACCGAAGGGCTGTCTTCTGTACAAAACCTCCAGGTGCAGAT
 GTTGGACCAGCTGGACATCGAAGCCCTACCTCTGTACAACCGGGTTGAGCAATACCTGGAGGAGTTT
 CCTGAGGAGAGGAAAACATTACAGATAGATGGCCTTATGATGAAGTATTTACCAGAACTGCTTGATC
 TATCCACTGAGGATGATGGGACAGTGGCCTTTGCATTAACAAAGGTGCAGCAGTACCGAGTAGCCATGAC
 CGCCAAGGACTGTTCCATCATGATCGCACTTTCCCTTGTCTACAGGGCGCCAGCTCTGACCAGAGGCTT
 GTTATCCCTTCGTCAGATCCCCTGGCCTTCTCTGTGTCTGTACTGGACCTCGACCTCAAGCCCTATG
 AGAGCATTCTCACCAGTATAAACTAGACAGCAAGATAGTCAAGTATTACTCAAAGACTGTGCATGCCAA
 AGATGACACTGTGAGGTCCACTCGGTTCAAGGAACATGAAGACTGCACATTAGTTCTCCATAAGGTCTAA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001008556

Insert Size: 1470 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:	<u>NM_001008556.1, NP_001008556.1</u>
RefSeq Size:	1470 bp
RefSeq ORF:	1470 bp
Locus ID:	306808
UniProt ID:	<u>Q5PXE9</u>
Cytogenetics:	17p14
Gene Summary:	Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-alpha-induced apoptosis. [UniProtKB/Swiss-Prot Function]