

Product datasheet for **RC239179**

PIB5PA (INPP5J) (NM_001284288) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIB5PA (INPP5J) (NM_001284288) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INPP5J
Synonyms:	INPP5; PIB5PA; PIPP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239179 representing NM_001284288
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTCCCAAGGCTTGGCACACAGAGTACAGGGCCTGGCAGGTGCCTGAGCCCCAACCTTCAGGCC
AAGAAGCCCCAGCCCCAGTCACCACCTCCTTCTACATCCACCCTGTATCCTCCCTTGGTCAGCTCA
GCCTACCTGGAAGAGCGACCCCGCTTCCGGATCACTGTGGTCACATGGAACGTGGGCACTGCCATGCC
CCAGACGATGTCACATCCCTCCTCCACCTGGGCGGTGGTGACGACAGCGACGGCGCAGACATGATCGCCA
TAGGGTTGCAGGAAGTGAACCTCATGCTCAACAAGCGACTCAAGGACGCCCTTTCACGGACAGTGGAG
TGAGCTGTTTCATGGATGCGCTAGGGCCCTCAACTTCGTGCTGGTGAGTTCGGTGAGGATGCAGGGTGT
ATCCTGCTGCTGTTCCGCAAGTACTACCACCTGCCCTTCTGCGAGACGTGCAGACCGACTGCACGCGCA
CTGGCCTGGGCGGCTACTGGGGTACAAGGGTGGCGTGAGCGTGCCTGGCGCCTTCGGGCACATGCT
CTGCTTCTGAACTGCCACTTGCCTGCGCATATGGACAAGGCGGAGCAGCGCAAAGACAACCTCCAGACC
ATCCTCAGCCTCCAGCAGTTCGAAGGGCCGGGCGCACAGGGCATCCTGGATCATGACCTCGTGTCTGGT
TCGGGGACCTGAACTTCCGCATTGAGAGCTATGACCTGCACTTTGTCAAGTTGGCATCGACAGTGACCA
GCTCCATCAGCTCTGGGAGAAGGACCAGCTCAACATGGCCAAGAACACCTGGCCATTCTGAAGGGCTTT
CAGGAGGGGCCCTCAACTTCGCTCCCACCTTCAAGTTTGTGTTGGGTACCAACAATACGATACCAGTG
CCAAGAAACGGAAGCCAGCTTGGACAGACCGTATCCTATGGAAGGTCAAGGCTCCAGGTGGGGTCCCAG
CCCCTCAGGACGGAAGAGCCACCGACTCCAGGTGACGCAGCACAGCTACCGCAGCCACATGGAATACACA
GTCAGCGACCAACAAGCCTGTGGCTGCCAGTTCCTCCTGCAGTTTGCCTTCAGGGACGACATGCCACTGG
TGGCGCTGGAGGTGGCAGATGAGTGGGTGCGGCCGAGCAGGCGGTGGTGAGGTACCGCATGGAAACAGT
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TCAGAGGGAGAGGATGACAGCACACTGGAGCTCCTTGACCCAAGTCCCAGCCCCAGTCTGGCAAGT
CCAAGCGACACCGCAGCCGAGCCCGGACTGGCCAGGTTCCCTGGGCTTGCCTACGGCCCTCATCCCG
TGAACGCCGTGGTCCAGCCGTAGCCCCACCCAGAGCCGCCCTGTCCCGAGTGGCTCCTGACAGG
AGCAGTAATGGCAGCAGCCGGGAGTAGTGAAGAGGGGCCCTCTGGGTTGCCTGGCCCCGGGCCCTTCC
CACCAGCTGTGCCTCGAAGCCTGGGCTGTGGCCGCCTTGCGCCTAGAGACTGTAGACCCTGGTGGTGG
TGCTCCTGGGGACCTGATCGGGAGGCCCTGGCGCCAACAGCCTGTCTCCTAGTCCCAGGGCCATCGG
GGGCTGGAGGAAGGGGCTGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239179 representing NM_001284288
 Red=Cloning site Green=Tags(s)

MALPRLGTQSTGPRCLSPNLQAQEAPAVTTSSSTLSSSPWSAQPTWKSDFRITVVTWNVGTAMP
 PDDVTSLLHLGGDDSDGADMIAGLQEVNSMLNKRLKDALFTDQWSELFMDALGPFNFVLVSSVRMQGV
 ILLLFKAYYHLPFLRDVQTDCTRTGLGGYWGNGGGVSVRLAAFGHMLCFLNCHLPAHMDKAEQRKDNFQT
 ILSLQQFQGPQAQIGLDHDLVFWFGDLNFRIESYDLHFVKFAIDSDQLHQLWEKDQLNMAKNTWPILKGF
 QEGPLNFAPTFKFDVGTNKYDTSAKKRKPAWTDRIILWKVKAPGGGPPSPGRKSHRLQVTQHSYRSHMEYT
 VSDHKPVAAQFLLQFAFRDDMPLVRLEVADEWVRPEQAVVRYRMETV FARSSWDWIGLYRVGFRHCKDYV
 AYWAKHEDVDGNTYQVTFSEESLPKGGHDFILGYSHNHSILIGITEPFQISLPSELASSTDSGTS
 SEGEDDSTLELLAPKSRSPSPGKSKRHRSRPGLARFPLALRPSSRERRGASRSPQSRRLSRVAPDR
 SSSGSSRGSSEEGPSGLPGWAFPPAVPRSLGLLPALRLETVDPGGGGSWGPDREALAPNSLSPSPQGHR
 GLEEGGLGP

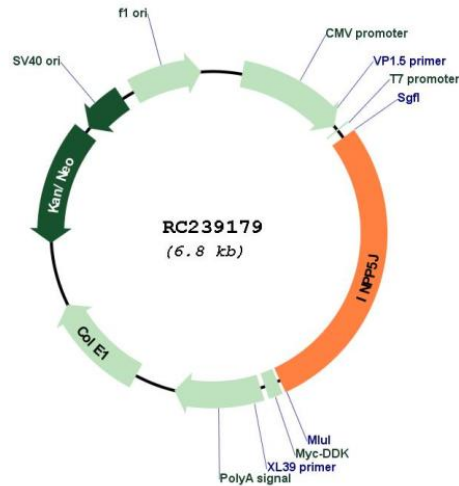
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001284288

ORF Size: 1917 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001284288.1](#), [NP_001271217.1](#)

RefSeq Size:	2481 bp
RefSeq ORF:	1920 bp
Locus ID:	27124
UniProt ID:	Q15735
Cytogenetics:	22q12.2
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	70.9 kDa
Gene Summary:	Inositol 5-phosphatase, which converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate. Also converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate in vitro. May be involved in modulation of the function of inositol and phosphatidylinositol polyphosphate-binding proteins that are present at membranes ruffles (By similarity).[UniProtKB/Swiss-Prot Function]