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Product datasheet for SC337074

PIB5PA (INPP5J) (NM_001284289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIB5PA (INPP5J) (NM_001284289) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP5J
Synonyms:	INPP5; PIB5PA; PIPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

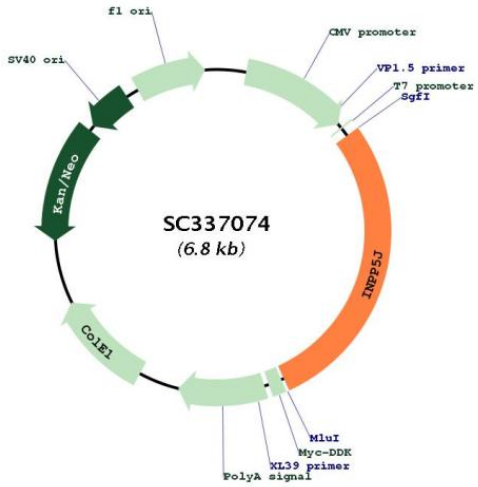
Fully Sequenced ORF:

>SC337074 representing NM_001284289.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCTCCCAAGGCTTGGCACACAGAGTACAGGGCCTGGCAGGTGCCTGAGCCCCAACCTTCAGGCC
CAAGAAGCCCCAGCCCCAGTCACCACCTCCTCTTCTACATCCACCCTGTCATCCTCCCCTTGGTCAGCT
CAGCCTACCTGGAAGAGCGACCCCGGCTTCCGGATCACTGTGGTCACATGGAACGTGGGCACTGCCATG
CCCCCAGACGATGTCACATCCCTCCTCCACCTGGGCGGTGGTGACGACAGCGACGGCGCAGACATGATC
GCCATAGGGTTGCAGGAAGTGAACTCCATGCTCAACAAGCGACTCAAGGACGCCCTCTTCACGGACCAG
TGGAGTGAGCTGTTCATGGATGCGCTAGGGCCCTTCAACTTCGTGCTGGTGAGTTCGGTGAGGATGCAG
GGTGTCATCCTGCTGCTGTTCGCCAAGTACTACCACCTGCCCTTCCTGCGAGACGTGCAGACCGACTGC
ACGCGCACTGGCCTGGGCGGCTACTGGGGTAACAAGGGTGGCGTGAGCGTGCGCCTGGCGGCCTTCGGG
CACATGCTCTGCTTCCTGAACTGCCACTTGCCTGCGCATATGGACAAGGCGGAGCAGCGCAAAGACAAC
TTCCAGACCATCCTCAGCCTCCAGCAGTTCCAAGGGCCGGGCGCACAGGGCATCCTGGATCATGACCTC
GTGTTCTGGTTCGGGGACCTGAACTTCCGCATTGAGAGCTATGACCTGCACTTTGTCAAGTTTGCCATC
GACAGTGACCAGCTCCATCAGCTCTGGGAGAAGGACCAGCTCAACATGGCCAAGAACACCTGGCCCATT
CTGAAGGGCTTTCAGGAGGGGCCCCTCAACTTCGCTCCCACCTTCAAGTTTGATGTGGGTACCAACAAA
TACGATACCAGTGCCAAGAAACGGAAGCCAGCTTGGACAGACCGTATCCTATGGAAGGTCAAGGCTCCA
GGTGGGGGTCCCAGCCCCTCAGGACGGAAGAGCCACCGACTCCAGGTGACGCAGCACAGCTACCGCAGC
CACATGGAATACACAGTCAGCGACCACAAGCCTGTGGCTGCCCAGTTCCTCCTGCAGTTTGCCTTCAGG
GACGACATGCCACTGGTGCGGCTGGAGGTGGCAGATGAGTGGGTGCGGCCCGAGCAGGCGGTGGTGAGG
TACCGCATGGAAACAGTGTTCGCCCGCAGCTCCTGGGACTGGATCGGCTTATACCGGGTGGGTTTCCGC
CATTGCAAGGACTATGTGGCTTATGTCTGGGCCAAACATGAAGATGTGGATGGGAATACCTACCAGGTA
ACATTCAGTGAGGAATCACTGCCCAAGGGCCATGGAGACTTCATCCTGGGCTACTATAGTCACAACCAC
AGCATCCTCATCGGCATCACTGAACCCTTCCAGATCTCGCTGCCTTCCTCGGAGTTGGCCAGCAGCAGC
ACAGACAGCTCAGGCACCAGCTCAGAGGGAGAGGATGACAGCACACTGGAGCTCCTTGCACCCAAGTCC
CGCAGCCCCAGTCCTGGCAAGTCCAAGCGACACCGCAGCCGCAGCCCGGGACTGGCCAGGTTCCCTGGG
CTTGCCCTACGGCCCTCATCCCGTGAACGCCGTGGTGCCAGCCGTAGCCCCTCACCCCAGAGCCGCCGC
CTGTCCCGAGTGGCTCCTGACAGGAGCAGTAATGGCAGCAGCCGGGGCAGTAGTGAAGAGGGGCCCTCT
GGGTTGCCTGGCCCCTGGGCCTTCCCACCAGCTGTGCCTCGAAGCCTGGGCCTGTTGCCCGCCTTGCGC
CTAGAGACTGTAGACCCTGGTGGTGGTGGCTCCTGGGGACCTGATCGGGAGGCCCTGGCGCCCAACAGC
CTGTCTCCTAGTCCCCAGGGCCATCGGGGGCTGGAGGAAGGGGGCCTGGGGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001284289
Insert Size:	1920 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_001284289.1
RefSeq Size:	2603 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:	70.5 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] Transcript Variant: This variant (6) differs in its 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (e) is shorter at the N-terminus, compared to isoform a. Both variants 5 and 6 encode isoform e.