

Product datasheet for **SC337372**

INPP5B (NM_001297434) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP5B (NM_001297434) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP5B
Synonyms:	5PTase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001297434, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGCCGCCCGCTCTCGGGAGCGCAACTGCAGGTGGTTCTAACTTTGATGGTTTGAGACCAA
ATGGGAAGGGAGTGCCTATGGACCAAAGCTCCAGGGTCAAGATAAACCAGAAAGCTTGCAACCAAGACA
GAATAAATCCAAGTCCGAAATTACTGACATGGTTCGCTCCTCCACTATCACAGTGTGGACAAGGCTCAT
ATTTTATCCATGCAGAAGTTGGACTGCGAGATACAATTGTGAAATCACATCTACTACAGAAAGAAGAGG
ATTACACCTATATCCAGAACTTCAGTTTTTTGCGGGAACATACAATGTAATGGGCAGTCCCCAAAGA
ATGCCTCCGGCTGTGGCTGAGCAATGGTATCCAGGCCCCAGATGTCTATTGTGTAGGGTTCCAGGAGCTT
GATCTGAGTAAGGAAGCTTTTTTCTTTCACGATACCCAAAGGAGGAAGAGTGGTCAAAGCTGTGTGAG
AGGGTCTTCATCCAGATGCCAAATATGCAAAGGTGAAGCTTATCCGACTGGTTGGGATTATGCTGCTGTT
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GGGAGGATGGGCAACAAGGGAGGCGTGGCGATCAGGTTCCAGTTCACAACACCAGCATCTGCGTTGTGA
ATTCTCACTTGGCAGCCACATTGAAGAGTATGAGAGGAGGAACCAGGACTATAAGGACATTTGTTCTCG
AATGCAGTTTTGTGAGCCTGACCCAAGCCTTCCCCTCTCACCATCAGCAACCATGATGTGATCTTGTGG
CTGGGGGACCTCAACTACAGGATAGAAGAGCTGGATGTGAAAAAGTGA AAAAGCTCATCGAAGAGAAGG
ACTTTCAAATGCTGTATGCATATGATCAGCTGAAAATTCAGTGGCCGCAAAGACTGTCTTTGAAGGCTT
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GAGAAGTGCCGTGCTCCTGCCTGGTGTGATCGGATTCTCTGAAAAGGGAAGAATCACTCAGCTGAGTT
ACCAGAGCCACATGGCCCTGAAGACCAGTGACCACAAGCCTGTCAGCTCAGTGTGACATCGGGGTGAG
GGTCGTAATGACGAGCTTACCGGAAGACACTGGAGGAAATGTTGCTCCCTGGATAAGATGAAAAAT
GCCAACATTCCTTCTGTGCTCCCTGTCCAAGCGAGAGTTCTGTTTTCAGAATGTAAGTACATGCAATTGA
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AGAGTCTTACTGTAAGCAGTGGCTGAATGCCAACCCAGCAGAGGCTTCTCCTGCCAGATTCTGATGTT
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CAGCTGTTTTGGTCTCCATTACACTGTGTACATGAGAGAGCCAATCTTGGACCTACCACTTGAA
ACCATTAGTGAGCTGACTCTGATGCCAGTATGGACTGGAGATGATGGGAGCCAGTTGGATAGCCCCATGG
AAATCCCCAAAGAGCTCTGGATGATGGTTGATTACCTGTACCGAAATGCTGTCCAGCAGGAAGATCTGTT
TCAGCAACCAGGCTGAGGTCAGAAATTTGAACATATCAGGGACTGCTTGGATACTGGAATGATTGATAAC
CTCTCTGCCAGCAATCATTCTGTAGCCGAAAGCCCTGCTGCTTTTCTGGAGAGCCTTCCAGAGCCTGTCA
TCTGTTACAGCACCTACCATAACTGCTTGGAGTGTCTGGCAACTACACAGCAAGCAAACAGGTCATTTTC
TACTCTCCCCATATTCCACAAAAATGTCTTCCACTACTTGATGGCGTTTTTGGCAGAACTGCTGAAAAAT
TCAGCAAAAAATCATTGGATGAGAATATTCTAGCTAGCATATTTGGCAGCTTATTGCTTCGAAACCCAG
CTGGTCACCAAAGCTTGATATGACAGAGAAGAAGGCTCAAGAAATTTATCCACAGTTCCTCTGCAA
CCCACCTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001297434

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:	<ol style="list-style-type: none">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_001297434.1 , NP_001284363.1
RefSeq Size:	3962 bp
RefSeq ORF:	2250 bp
Locus ID:	3633
UniProt ID:	P32019
Cytogenetics:	1p34.3
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Gene Summary:	<p>This gene encodes a member of a family of inositol polyphosphate-5-phosphatases. These enzymes function in the regulation of calcium signaling by inactivating inositol phosphates. The encoded protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>