

Product datasheet for **SC122192**

PITPNC1 (NM_181671) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITPNC1 (NM_181671) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITPNC1
Synonyms:	M-RDGB-beta; MRDGBbeta; RDGB-BETA; RDGBB; RDGBB1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181671, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCTGAAAGAGTACCGGATCTGCATGCCGCTCACCGTAGACGAGTACAAAATTGGACAGCTGTACA
TGATCAGCAAACACAGCCATGAACAGAGTGACCGGGGAGAAGGGTGGAGGTCGTCCAGAATGAGCCCTT
TGAGGACCCTCACCATGGCAATGGGCAGTTCACCGAGAAGCGGGTGTATCTCAACAGCAAAGTGCCTAGT
TGGGCTAGAGCTGTTGTCCCAAAATATTTTATGTGACAGAGAAGGCTTGGAACTATTATCCCTACACAA
TTACAGAATACACATGTTCTTTCTGCCGAAATCTCCATTCATATAGAAACCAAGTATGAGGACAACAA
AGGAAGCAATGACACCATTTTCGACAATGAAGCCAAAGACGTGGAGAGAGAAGTTTGCTTTATTGATATT
GCCTGCGATGAAATTCAGAGCGCTACTACAAAGAATCTGAGGATCCTAAGCACTTCAAGTCAGAGAAGA
CAGGACGGGGACAGTTGAGGGAAGGCTGGAGAGATAGTCATCAGCCTATCATGTGCTCCTACAAGCTGGT
GACTGTGAAGTTTGAGGTCTGGGGGCTTCAGACCAGAGTGAACAATTTGTACACAAGGTGGTCCGAGAC
ATTCTGCTGATTGGACATAGACAGGCTTTTGCATGGGTTGATGAGTGGTATGATATGACAATGGATGATG
TTCGGGAATACGAGAAAAACATGCATGAACAACCAACATAAAAGTTTGCAATCAGCATTCTCCCTGTG
GGATGACATAGAGAGTCATGCCCAAACAAGTACATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181671 unedited CGGAAACGCAATTCGGCACGAGGCGGGCATGTCCTGATCTGGCGGCCGCTCCTACCACCC TGGGCAGCCGAGCAGAGTGGTCCCCAGCGGGTCTCCCTCCCTGCCTCCCTGACTTTGCAA CACCGGTTCCGGGAGGACCGGCCTCGGCGAGGGAGGAGCGGGGGAGCTGCGAACACCC ATATTTTTTCCCTGACATGCTCTGGGGCGGAGAGGAGGAAGCCAGGAGCTGAGCGCGCCG CGGGGGTGTTCGCCCTCCGGCTCCGAGCGCCGGCTCCGGGCGCCCTGCCCTGCGCCT GGGCAGCAGCCTTGCTGGTCTTGGGGCGCCCCCGCTTCCCGCCCCGGGGTCCGCGGC CGGCAGGACCATGCTGCTGAAAGAGTACCGGATCTGCATGCCGCTCACCGTAGACGAGTA CAAAATTGGACAGCTGTACATGATCAGCAAACACAGCCATGAACAGAGTGACCGGGGAGA AGGGTGGAGGTCGTCCAGAATGAGCCCTTTGAGGACCCTCACCATGGCAATGGGCAATT CACCGAGAAGCGGGTGTATCTCAACAGCAAAGTGCCTAGTTGGGCTAGAGCTGTTGTCC CAAAATATTTTATGTGACAGAGAAGGCTTGAAGTATTATCCCTACACAATTACAGAATA CACATGTTCCCTTCTGCCAAATCTCCATTCATATAGAAACCAAGTATGAGGACAACAN AGGAAGCAATGACACCATTTTCGACAATGAAGCCAAAGACGTGGAGAGAGAAGTTTGCTT TATTGATATTGCCTGCGATGAAATTCAGAGCGCTACTACAAAGAATCTGAGGATCCTAA GCACTTCAGTCAGAGAAGACAGGACGGGACAGTTGAGGGAAG
Restriction Sites:	Please inquire
ACCN:	NM_181671
Insert Size:	1500 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:	<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:	<u>NM_181671.1, NP_858057.1</u>
RefSeq Size:	2124 bp
RefSeq ORF:	807 bp
Locus ID:	26207
UniProt ID:	<u>Q9UKF7</u>
Cytogenetics:	17q24.2
Protein Families:	Ion Channels: Other

Gene Summary:

This gene encodes a member of the phosphatidylinositol transfer protein family. The encoded cytoplasmic protein plays a role in multiple processes including cell signaling and lipid metabolism by facilitating the transfer of phosphatidylinositol between membrane compartments. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 1. [provided by RefSeq, May 2012]

Transcript Variant: This variant (2) includes an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. 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.