

## Product datasheet for MC229564

### Pitpnm2 (NM\_001289472) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnm2 (NM_001289472) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pitpnm2
Synonyms:	mKIAA1457; NIR3; Rdgb2; RDGBA2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229564 representing NM_001289472 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATCATAAAGGAATACCGGATCCCCTGCCAATGACCGTGGATGAATACCGCATTGCCAGCTGTACA  
TGATACAGAAGAAGAGCCGGAATGAGACCCACGGCAAGGCAGCGGGGTAGAGATCCTGGAGAACCAGCC  
CTACACAGACGGCCCTGGCGGCTCCGGCAATACACCCACAAGGTGTATCATGTGGGCATGCACATTCT  
GGCTGGTTTTCGCTCCATCTTGCCAAAGCAGCCTTGCGGGTGGTGGAGGAGTCCTGGAATGCCTACCCT  
ATACCCGAACAAGTTACCTGCCCTTTGTGGAGAAGTTCTCCATTGACATTGAAACCTTTTATAGAC  
AGACACTGGGGAAAAACAATAATGTGTTCAACCTGTCTCCTGTGGAAAAGAGCCAGCTGATAACAGACATC  
ATCGACATCGTCAAGGATCCTGTGCCCCCAAGTGAAGTAAAGACAGAAGAAGACCCCAAGCTGTTCCAGT  
CAGTCAAGACTTGCCGGGGACCTCTTTCTGAAAAGTGGATTGAGGAGTACAAGAAGCGGCTCCTCCCAT  
CATGTGCGCCTACAAGCTCTGCAAGGTGGAGTCCGATACTGGGGCATGCAGTCCAAGATTGAAAGGTTT  
ATCCATGACACAGGTCTGCGCGGGTGTGGTGGAGGGCCACCGCAGGCCTGGTCTGGCAGGACGAGT  
GGTACCGACTGACCATGGAGAAAAATCCGAGAGCTGGAGAGGGAGGTGCAGCTCATGCTGCCGAAAAAT  
GGCCAGTTTTTCGGAGGAAGGCCCTCAGAAGTAAAGCAAGGACAGTGCCACCAAGGACCAGGCATCTGGA  
ACAACCTCTGATCCTGGCAGAAAAACGGGAGCCTCTGGGGCGGGCCTGAAGAAGCAGTGGTCCACCT  
CCTCCAAGTCTCAAGTCTCCAAGCGGGGAGCCAGCCCTCCCGACATAGCATCTCAGAGTGGAGGAT  
GCAGAGTATCGCCAGGGACTCCGACGAAGGCTCGGAAGAGGAGTCTTCGATGCACATGAGAACCTGTAC  
TGCACAGAGGAAAAACAAGCCAAGGACATGACCAAGTGGAACTCCAACGACCTCATGGACAAAATGGAGA  
GTCCGGAGCCTGAGGAATCACAAGATGAAATCTACCAGCAGAGTGGCTCTGAGTTCAGGGTGGCCTCCAG  
CGTGGAGCAGCTGAACATCATCGAGGATGAGGTGAGCCAGCCACTAGCCGCGCCACCCTCCAAGATTAC  
GTGCTGCTGCTGGTGTGCTGATGGAGGCACCATCTGGACTGGAGCGGGGGACCCAGCTCCAAGCAGG  
GGGACACCAATACTATACCAACGTGTTGACACCGTATGCGCGTGCACTACCCAGTGCCTTAGGCCA  
CCTAGCCATCCGCTGGTGCCTGCCACCCATCTGTGCTGATGCCTTCGCCCTCGTCTCCAACCTCAGT  
CCCTATGGCCATGATGAGGGCTGTCTGTCTAGCAGCCAGGACCACATCCCCTAGCTGCCCTGCCCTGC



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TGGCCACTTCCTCACCCAGTACCAGGAGGCAGTTGCTACAGTGATTCAGCGGGCCAACCTGGCCTACGG  
 AGACTTCATCAAGTCCCAGGAAGGTGTGACCTCAATGGTCAGGTCTGCCTGATTGGAGACTGTGTTGGG  
 GGCATCCTGGCATTGATGCCTATGCTACAGTGGCCAGCCAGTGTCTGAGAGTCAAAGCAGTAGCCGCC  
 GAGGCAGTGTGGTCAGCATGCAGGACGCTGACCTGCTGTCCCCGGGCACCTGGCGAATGCAGCACACTG  
 CTCGGTGGCAGTGGCGGTGGCGGCAGCGGAGGCTCCAGCCTGGAGAGCAGTCCGACCTGAGCCGCAGC  
 AACATTGACATCCCCGAAGCAACGGCACTGAGGACTCCAGAAGGCAGCTGCCCGCAAAAGGAGTGACT  
 GTGCCACCTATGAGCTGGACACCATCCAGCAGCACCCAGGCTTCCATCCAGCCTCCAGCCAGCGTGTCT  
 GAGGAATGAGCCAGCTCCCGCCGCTCAAGCAGTTCACGATGCTGGACGGTGCCGGGGCCCTGGGCAAG  
 TTTGACTTCGAGATTGCCGACCTTCTCCTTTCGGGTGCCGCTGGGGCTAGTCCTAGCCTTGAGGAAAA  
 CAGTCATCCCTTCCCTGGACGTTTTCCAGCTGCGTCCAGCGTGTGAGCAAGTGTACAACCTTCCACCC  
 CGCGGACCCCTCAGCCTCCCGCTGGAGCCGCTGCTGGAGCGGCTTCCACAGCCTGCCGCTTTCAGC  
 ATCCCTCGGTACCAGCGTACCCGCTGGGGGACGGCTGCTCCACACTGCTGGCGGATGTGCTTCCAGCC  
 ACAACACAGTCTCCAAGAGCATGCAGCCCCCTCGTCCAGTGGCAGACCCCTGCTGGCCGTGGCTTCCG  
 CAGAGCCAGTGAATCAGTATCGCCAGTCAAGTGTGAGGATGGCCGAGAGCTACACAGCGTCCAGCATC  
 GCCAGAAGGTCCTCGTCCGCTCAACCACACCCCGCATCAGGCGCTATCCTTGGCTCGCCCTGCCCC  
 CCCCATCCCTACCACCCAGGGTCCCGCTGCCAGGGCAAGGCAGGTGAGCCCAACCTGGAGCGGGCCCC  
 CTGCCTCCCTGACTTGGACATCGGAGAAGTTGCTGCCAAGTGGTGGGGACAGAAGCGGATTGACTATGCC  
 CTGATTGCCCGGACGCCCTCACGGCTTCCCCACGGTGGCTTGGCCCCCTTCCACGCCAGCTACT  
 GGGAGTCAACCGACGTGGTCTCCTTCTGCTGAGACAGGTGATGCGGCACGACAGCTCGAGCATCTAGA  
 GCTGGACGGCAAGGAGGTGTCCGTGTTACGCCTTCCAGCCAGGAAAGGTGGCAGCGCAAGAGGACC  
 CACGTGAAGTGCAGAACGTGGCAGCAACCACCGGATCAATGACGCAGTTGCCAATGAGGATGGCCCGC  
 AGGTTGTGACGGGCGGTTTATGATGAGGCTTACAGTGGTGCACCTAGACTAGTACCAACAGCAGTGGG  
 GCACATGACGCAACCACCTTCAAGTGGTGGCTGCACCTAGACTAGTACCAACAGCAGTGGG  
 CGCGTCTCTACACCATTCCAGAAACACACCCGCTGGGGGTGGGCTTACCCCATCAAGATGGTGGTCA  
 GGGGAGACCACACATTCCCGCAGCTACATCACTGTGCTCCCCAGGGGACAGAGTTTGTGGTCTTCAG  
 TATAGACGGCTCCTTTCGCGCCAGTGTGTCCATCATGGGCAGCGACCCCAAGGTGCGCGCGGGGCTGTG  
 GACGTGGTGCAGACTGGCAGGACCTGGGCTACCTCATCATCTATGTGACCGGCCGCGCCGACATGCAAA  
 AGCAGCGGGTGGTGGCATGGCTGGCTCAGCACAATTTCCCTCATGGTGTGGTGTCTTCTGTGATGGCT  
 GGTGCACGACCCACTGCGCCACAAGGCTAACTTCTGAAGCTGCTCATCTCTGAGCTTCACTGCGCGCA  
 CATGCGGCTACGGCTCCACGAAGGATGTGCGAGTCTATAACTCCATCAGCCTCTCTCCATGCACATCT  
 ACATTGTGGGCCGCCCAAGAAGCTGCAGCAGCAGTCCAGTTCATCACGGACGGCTATGCGGCCCA  
 CCTGGCCAGCTCAAGTACAATCACCGGCTCGCCAGCCGGAACACGGCCACGCGCATGGCTTTGCGC  
 AAGGGCAGCTTCCGCTACCTGGCCAGAGTGACTTCTTCCGCTCTCGGAATCACCTGCTCCGCACCATCT  
 CGGCCAGCCAGTGGGCCAGCCATCGGCACGATCGGACACAGACCCAGATGGACAGCGAGCAGCGGGG  
 CCAGCGCAGCATGAGCGTGGCAGCCAGCTGCTGGGGCCGAGCCATGGCAGGCCGCTTGAACCAGGGGCA  
 GCCACGGGACCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM\_001289472

Insert Size:

4008 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001289472.1, NP_001276401.1</u>
<b>RefSeq Size:</b>	6941 bp
<b>RefSeq ORF:</b>	4008 bp
<b>Locus ID:</b>	19679
<b>UniProt ID:</b>	<u>Q6ZPQ6</u>
<b>Cytogenetics:</b>	5 63.39 cM
<b>Gene Summary:</b>	Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro). Binds calcium ions (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and contains an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is longer than isoform 1.