

Product datasheet for **MC224144**

Pitpnm2 (NM_011256) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitpnm2 (NM_011256) 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: >MC224144 representing NM_011256
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATCATAAAGGAATACCGGATCCCCTGCCAATGACCGTGGATGAATACCGCATTGCCAGCTGTACA
TGATACAGAAGAAGAGCCGGAATGAGACCCACGGCAAGGCAGCGGGTAGAGATCCTGGAGAACCAGCC
CTACACAGACGGCCTGGCGGCTCGGGCAATACACCCACAAGGTGTATCATGTGGGCATGCACATTCT
GGCTGGTTTCGCTCCATCTTGCCAAAGCAGCCTTGCGGGTGGTGGAGGAGTCCTGGAATGCCTACCCT
ATACCCGAACAAGTTACCTGCCCCTTTGTGGAGAAGTTCTCCATTGACATTGAAACCTTTTATAGAC
AGACACTGGGGAAAAACAATAATGTGTTCAACCTGTCTCCTGTGGAAAAGAGCCAGCTGATAACAGACATC
ATCGACATCGTCAAGGATCCTGTGCCCCAGTGAGTAAAGACAGAAGAAGACCCCAAGCTGTTCCAGT
CAGTCAAGACTTGCCGGGACCTCTTTCTGAAAAGTGGATTGAGGAGTACAAGAAGCGGCTCCTCCCAT
CATGTGCGCCTACAAGCTCTGCAAGGTGGAGTCCGATACTGGGGCATGCAGTCCAAGATTGAAAGGTT
ATCCATGACACAGGTCTGCGCGGGTGTGGTGGAGGGCCACCGCAGGCCTGGTCTGGCAGGACGAGT
GGTACGGACTGACCATGGAGAAAATCCGAGAGCTGGAGAGGGAGTGCAGCTCATGCTGCCGAAAAT
GGCCAGTTTTTCGGAGGAAGGCCCTCAGAAGTAAAGCAAGGACAGTGCCACCAAGGACAGGCATCTGGA
ACAACCTCTGATCCTGGCAGCAAAAACGGGAGCCTCTGGGGCGGGCCTGAAGAAGCAGTGGTCCACCT
CCTCCAAGTCTCAAGTCTCCAAGCGGGGAGCCAGCCCTCCCGACATAGCATCTCAGAGTGGAGGAT
GCAGAGTATCGCCAGGGACTCCGACGAAGGCTCGGAAGAGGAGTCTTCGATGCACATGAGAACCTGTAC
TGCACAGAGGAAAAACAAGCCAAGGACATGACCAAGTGGAACTCCAACGACCTCATGGACAAAATGGAGA
GTCCGGAGCCTGAGGAATCACAAGATGAAATCTACCAGCAGAGTGGCTCTGAGTTCAGGGTGGCCTCCAG
CGTGGAGCAGCTGAACATCATCGAGGATGAGGTGAGCCAGCCACTAGCCGCGCCACCCTCAAGATTAC
GTGCTGCTGCTGGTGTGATGGAGGCACCATCTGGACTGGAGCGGGGACCCAGCTCCAAGCAGG
GGGACCAACTATACCAACGTGTTGACACCGTATGCGCGTGCATACCCAGTGCCTAGGCCA
CCTAGCCATCCGCTGGTGCCTGCCACCCATCTGTGCTGATGCCTTCGCCCTGCTCCAACCTCAGT
CCCTATGGCCATGATGAGGGCTGTCTGTAGCAGCCAGGACCACATCCCCTAGCTGCCCTGCCCTGC



TGGCCACTTCTCACCCAGTACCAGGAGGCAGTTGCTACAGTGATTGAGCGGGCAACCTGGCCTACGG
 AGACTTCATCAAGTCCCAGGAAGGTGTGACCTCAATGGTCAGGTCTGCCTGATTGGAGACTGTGTTGGG
 GGCATCTTGGCATTGATGCCTATGCTACAGTGGCCAGCCAGTGTCTGAGAGTCAAAGCAGTAGCCGCC
 GAGGCAGTGTGGTCAGCATGCAGGACGCTGACCTGCTGTCCCGGGCACCTGGCGAATGCAGCACACTG
 CTCCGGTGGCAGTGGCGGTGGCGGCAGCGGAGGCTCCAGCCTGGAGAGCAGTCCGCACCTGAGCCGCAGC
 AACATTGACATCCCCGAAGCAACGGCACTGAGGACTCCAGAAGGCAGCTGCCCGAAAAGGAGTGACT
 GTGCCACCTATGAGCTGGACACCATCCAGCAGCACAGGCTTCCATCCAGCCTCCAGCCAGCGTGTCT
 GAGGAATGAGCCAGCTCCCGCCGCTCAAGCAGTTCCACGATGCTGGACGGTCCCGGGCCCTGGGCAAG
 TTTGACTTCGAGATTGCCGACCTTCTCCTTTCGGGTGCCCGCTGGGGCTAGTCCTAGCCTTGGAAAA
 CAGTCATCCCTTCCCTGGACGTTTTCCAGCTGCGTCCAGCGTGTGAGCAAGGTACAACCTTCCACCC
 CGCGGACCCCTCAGCCTCCCGCTGGAGCCGCTGCTGGAGCGGCTTCCACAGCCTGCCGCTTTCAGC
 ATCCCTCGGTACCAGCGTACCCGCTGGGGGACGGCTGCTCCACACTGCTGGCGGATGTGCTTCCAGCC
 ACAACACAGTCTCCAAGAGCATGCAGCCCCCTGTCACCTGGCACAGCCCTGCTGGCCGTGGCTTCCG
 CAGAGCCAGTGAGATCAGTATCGCCAGTCAGGTGTGAGGATGGCCGAGAGCTACACAGCGTCCAGCATC
 GCCCAGATTGCTGCCAAGTGGTGGGACAGAAGCGGATTGACTATGCCCTGTATTGCCCGAGCCCTCA
 CGGCTTCCCGAGGTGGCCTTGGCCCACTTCCACGCCAGCTACTGGGAGTCAACCCAGCTGGTCTC
 CTTTCTGCTGAGACAGGTGATGCCGACGACAGCTCGAGCATCCTAGAGCTGGACGGCAAGGAGGTGCC
 GTGTTACGCCTTCCAGCCAGGAAAGGTGGCAGCGCAAGAGGACCCACGTGAAGCTGCCGAACGTGG
 CAGCCAACCACCGGATCAATGACGCAGTTGCCAATGAGGATGGCCCGCAGGTTGTGACGGCCGGTTCAT
 GTATGGGCCCTTAGACATGGTACCCTGACTGGGAAAAGGTGGATGTGCACATCATGACGCAACCACCT
 TCAGGTGAGTGGTGCACCTAGACACTTAGTGACCAACAGCAGTGGGCGCTCTCTACACCATTCCAG
 AAACACACCGCTGGGGGTGGCGTCTACCCATCAAGATGGTGGTCAGGGGAGACCACATTGCCCGA
 CAGTACATCACTGTGCTCCCGAGGGCACAGAGTTTGTGGTCTTCAGTATAGACGGCTCCTTGGCCG
 AGTGTGTCCATCATGGGACGACCCCAAGGTGCGCGCCGGGGCTGTGGACGTGGTGCACACTGGCAGG
 ACCTGGGCTACCTCATCTATGTGACCGCCGCGCCGACATGCAAAAGCAGCGGTGGTGGCATGGCT
 GGCTCAGCACAATTTCCCTCATGGTGTGGTGTCTTCTGTGATGGCTGGTGCACGACCCACTGCCCCAC
 AAGGCTAACTTTCTGAAGCTGCTCATCTCTGAGCTTCCCTGCGCGCACATGCGGCTACGGCTCCACGA
 AGGATGTCGAGTCTATAACTCCATCAGCCTCTCTCCATGCACATCTACATTGTGGGCCCGCCACCAA
 GAAGCTGCAGCAGCAGTCCAGTTCATCACGGACGGCTATGCGGCCACCTGGCCAGCTCAAGTACAAT
 CACCGGGCTCGCCAGCCCGAACCGCCACGCGCATGGCTTTCGCAAGGGCAGCTTCGGCTACCTG
 GCCAGAGTGACTTCTTCTGCTCTCGGAATCACCTGCTCCGACCATCTCGGCCAGCCAGTGGGCCAG
 CCATCGGCACGATCGGACACAGCCAGATGGACAGCGAGCAGCGGGGCCAGCGCAGCATGAGCGTGGCA
 GCCAGTCTGGGGCCGAGCCATGGCAGCCGGCTTGAACCAGGGGCAGCCACGGGACCCAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_011256
- Insert Size:** 3846 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_011256.3](#), [NP_035386.1](#)

RefSeq Size: 6970 bp

RefSeq ORF: 3846 bp

Locus ID: 19679

UniProt ID: [Q6ZPQ6](#)

Cytogenetics: 5 63.39 cM

Gene Summary: Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro). Binds calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (1).