

Product datasheet for MC202523

Pitpnm1 (NM_008851) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitpnm1 (NM_008851) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pitpnm1
Synonyms: DRES9; Mpt-1; Nir-2; Pitpnm; PITPnm 1; R75447; Rd9; RdgB; RdgB1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC048150 sequence for NM_008851
AGCCTTTCTACTGCTCTGGGCTCCGCGGTGCGGGAGGCAACACTGGGTTTCGCTCTGCCTCCCCCGCGG
GGCCCCGGCCATGGGGTTCCGCGGCCGAGCCCTCCGAGGCGTGCAGGGCTCAGTACCGCGACCACC
GTCTGCACTGACTGCCGCGGGTACCCTGCGCTAGGAGGAGCAGAGCCGCACGCGGTACGCGGAGCGT
CTTCAGGATGCTTATCAAGGAGTACCACATCCTGCTGCCATGAGCCTGGACGAGTATCAAGTGGCCAG
CTCTACATGATCCAGAAAAAGAGCCGTGAGGAGTCTAGTGGTGGGGCAGCGGCTGGAGATCCTGGCCA
ACCGGCCCTACACAGATGGGCTGGAGGCAACGGGCAGTATACACACAAGGTGTACCACGTGGGCTCCCA
CATCCCAGGCTGGTTCGGGCACTGTTACCCAAGGCTGCTCTGCAGGTAGAAGAGGAATCTTGAACGCT
TACCCATATACCCGGACACGGTACACCTGCCCTTTGTGGAGAAGTTCTCCATTGAGATAGAGACCTACT
ACTTGCCTGATGGGGGAGCAACCTAACGTCTCAACCTGAGTGGGCTGAGAGAAGACAGAGAATCGT
GGATACCATCGACATCGTGGGATGCAGTGGCCCCAGGAGAATACAAAGCGGAAGAGGACCCCTCGGCTG
TACCGCTCAGCCAAGACAGGCCGAGGGCCGCTGGCTGATGACTGGGCACGGACAGCGGCCAGACAGGAC
CTCTCATGTGTGCTATAAGCTGTGCAAGGTTGAATCCGCTACTGGGGCATGCAGGCCAAGATTGAGCA
GTTTCATCCATGACGTAGGTCTGCGCAGGGTGTGCTTCGCGCCATCGCCAGGCCCTGGTGTGGCAAGAT
GAGTGGATAGAAGTGAAGTGGCTGACATCCGGGCACTGGAGGAGGAGACTGCACGCATGCTAGCGCAGC
GTATGGCTAAGTGCAACTGGCAGTGGGACCAAGGCTCAGACCCCTGGGAAATCCAGCACTGAGGC
CCGACCTGGGACCAGCACTGCTGGCACCCCTGATGGACCTGAGGCCCTCCCGCCCCGACGCTCCCA
GATGCCAGCTTTGGGAAGCAGTGGTCTCATCTCCCGTTCCTCTACTCATCCCAACATGGAGGCGGGC
TGCTCCACAGAGCTTGTCTGAGTGGCGCATGCAGAACATTGCCGAGACTCTGAGAACAGCTCCGAGGA
AGAATTTTGTGATGCCATGAAGTTTCTCGGACAGTGTGAGGTCTTCCCAAGGAGATGACCAAGTGG
AATTCCAATGATTTTATCGATGCCTTTGCCTCCCAACCGAGGTGGAGGGGTACCAGATCCTACAGTCA
TGGCTACCAAAGGCATTGAAGTGGGGCCGAGCTCCAGGGACTCAGAGGGCTAGATGGAGCGGGGGA
TCTAGTGGTGGAGGCGTCTGTGCATGCCCTTCTCTCATCTGCACAGCGGCAGCATCCTGGACTCT
GGCCCTGGAGACCAACTCCAAGCAGGCCGACGTGCAAACGCTGAGCACAGCCTTTGAGGCCGTACCC
GAGTCCATTTCCCGAGGCCCTGGGTACGTGGCACTGCGGCTGGTGCCTGTCCACCCATTTGCGCGGC
TGCCATGCTCTGTCTCAACCTGAGCCCTACAGCCATGATGGGGATAGCCTGTCCCCTCCCAAGAC
CACATTCGCTGGCTGCCCTGCCCTCCTGGCCACCTCATCTCGCTACCAGGGTGGCGTGGCCACTG



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TCATCGCTCGCACCAACCAGGCCTATGCAGCCTTCTGCGCTCATCGGAGGGCACAGTTTCTGCGGGCA
 GGTGGTGTGATCGGAGATGGTGTGGTGGCATCCTGGGCTTTGATGCGCTCTGCCACAGTGCCAGTGCA
 GGCCAGGGAGTCCGGGGCAGCAGCCGCGTGGGAGCATGAAACAATGAGATGCTCTCCCCTGAAGTTGGTC
 CAGTACGGGACCCGCTGGCAGATGGGGTGGAGTACTGGGTCTGCTAGCCCAGAACCCCTCAGCCCTACC
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 TCCACAGCTACCTCTCTGGGGAGCCCCGCGTGAAGCAAGCAGCCTCCTGTCCACCTGCCAGTTCTGAGG
 CTCTCTGACGGCCCCACGAACGCTGCTCGCCTGGACTTCAAGGTCTCAGGTTCTTCTCTTTGGCTCCCC
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 CTTGCTGTGGTGACACTTTGCAAACCCATTGAGTCTCTTCTGGAAGAGCTGGAGATGATGGTGCCC
 TCCACACCCACCTCGGCCAGTGGTGCCTTCTGGAAGGGCAGTGAAGTGGCAATGAGCCAGCATCCCAGA
 CAGCAGCCCCAGCACCACCAGCGAGGTGTTAAGATCCTGGACCCTGGTGGGAAACAAGCGGATCGA
 CTATTCACTGTACTGCCCGAGGCACTCAGGCCTTCCCACGGTACGCTGCCACCTCTTCCACGCC
 AGCTACTGGGAATCAGCGGATGTAGTGGCCTTCTTCTGCGCCAGTCTTGGAGAAGGAGCGGCCACAGC
 TGACAGAGTGTGAGGAGCCATCTATAGCCCCGCTTCCCCAGGGAGAAGTGGCAGCGCAAACGCAC
 ACAGGTCAAGATCCGGAACGTCACCTTCCAAACCAGCGAGTGACACCTGGTATGTGAGGGCCGTC
 CAGGTGCTGAATGGGCGCTTCAATGATGGACCATTGGATGGTCACTGAGGAGAGGTTGGATG
 TCTACGTCATGACACAGCCACTGTGAGCAAGTGGATCCACTTTGGCACAGAGTCACTAACAGCTCAGG
 CCGTCTCACCTTCCCAGTGCCTCAGAACGTGCACTGGGCATTGGTGTCTACCCTGTGCGCATGGTGGTC
 AGGGGAGACCACCTATGCCGAGTGTCTGACTGTGGTGTCCCGAGGCACAGAAGCTGTGGTCTTCA
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 GGACGTGGTCAGGCACTGGCAGGACTCTGGTACTTATTGATTGTATGTAAGTGGCCGCTGACATGCAA
 AAGCACCGTGTAGTGGCCTGGCTGTGCAACACAACCTTCCCCATGGTGTGTCTCTTCTGTGATGGCC
 TCACCACGACCCGCTGCGGCAGAAAGCCTGTTTCTGCAGAGCCTGGTGAAGAGGTAGAAGTGAACAT
 CGTGGCTGGATATGGGTACCAAAGATGTGGCAGTGTATGCAGCACTGGGGCTCTCTCCGAGCCAGACC
 TACATTGTTGGCCGTGTGTGCGCAAATGCAGGCACAGTGTGAGTTCCTGTGAGATGGCTATGTGGCCC
 ACTTGGGCCAGCTGGAGGCAGGCTCCCCTCCCATGCTCCCTCAGGACCTCCGAGAGCCGCTCTGGCCAA
 GAGTAGCTATGCTGTGGCTGCCCTGTGGACTTCTCCGGAAGCAGAGCCAGTCTTCCGATCCAGAGGC
 CCTAGCCAGGTGGACCGTGGGGTCCAGGAACACCTCCCACCACCTGGCCAGGGGAAGACTCGCAGCA
 TCAGCCTCAAGTTGGACAGTGAAGAGTGAAGGAACCTTGGCTGCAACTGGTTATTTATTGACTCGCAAG
 GGGCCTTGGTACTGTGGGAATCTGGGGCCCCACCCCTGTATGACTACACCACAGTATTACTTCCCTT
 TGTGCGGGGTAGGGGACCCAGCCCCAGGGGAGGAAGGAGGGAGTGGTTAGGGCCAGCAGCGTTTCCA
 GTGTGTGAACCTATAAAAAATAAACAACTGCACTCTAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_008851
- Insert Size:** 3732 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: [BC048150](#), [AAH48150](#)

RefSeq Size: 4187 bp

RefSeq ORF: 3732 bp

Locus ID: 18739

UniProt ID: [O35954](#)

Cytogenetics: 19 3.81 cM

Gene Summary: Regulates RHOA activity, and plays a role in cytoskeleton remodeling. Necessary for normal completion of cytokinesis. Plays a role in maintaining normal diacylglycerol levels in the Golgi apparatus. Binds phosphatidyl inositol phosphates (in vitro). May catalyze the transfer of phosphatidylinositol and phosphatidylcholine between membranes (By similarity). Necessary for maintaining the normal structure of the endoplasmic reticulum and the Golgi apparatus. Required for protein export from the endoplasmic reticulum and the Golgi. Binds calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein. 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.