

Product datasheet for MC223145

Pitpnm1 (NM_001136078) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitpnm1 (NM_001136078) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pitpnm1
Synonyms:	DRES9; mpt-1; Pitpnm; R75447; Rd9; RdgB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223145 representing NM_001136078 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTTATCAAGGAGTACCACATCCTGCTGCCATGAGCCTGGACGAGTATCAAGTGGCCAGCTCTACA
TGATCCAGAAAAAGAGCCGTGAGGAGTCTAGTGGTGGGGCAGCGCGTGGAGATCCTGGCAACCGGCC
CTACACAGATGGCCTGGAGGCAACGGGCAAGTATACACACAAGGTGTACCAGTGGGCTCCACATCCCA
GGCTGGTCCGGGCACTGTACCCAAGGCTGCTCTGCAGGTAGAAGGAATCTTGAACGCTTACCCAT
ATACCCGGACACGGTACACCTGCCCTTTGTGGAGAAGTTCTCCATTGAGATAGAGACCTACTACTTGCC
TGATGGGGGGCAGCAACCTAACGCTTTCACCTGAGTGGGGCTGAGAGAAGACAGAGAATCGTGGATACC
ATCGACATCGTGCGGGATGCAGTGGCCCCAGGAGAATACAAAGCGGAAGAGGACCCTCGGCTGTACCGCT
CAGCCAAGACAGGCCGAGGGCCGCTGGCTGATGACTGGGCACGGACAGCGGCCAGACAGGACCTCAT
GTGTGCCTATAAGCTGTGCAAGGTTGAATTCGCTACTGGGGCATGCAGGCCAAGATTGAGCAGTTCATC
CATGACGTAGGTCTGCGCAGGTGATGCTTCGCGCCCATCGCCAGGCTGGTGTGGCAAGATGAGTGGA
TAGAACTGAGCATGGCTGACATCCGGGCACTGGAGGAGGAGACTGCACGCATGCTAGCGCAGCGTATGCC
TAAGTGAACACTGGCAGTGGAGGACCAGAGGCTCAGACCCTGGGAAATCCAGCACTGAGGCCCGACCT
GGGACCAGCACTGCTGGCACCCCTGATGGACCTGAGGCCCTCCCGGCCCGACGCTCCCAAGATGCCA
GCTTTGGGAAGCAGTGGTCTCATCCTCCGTTCTCCTACTCATCCCAACATGGAGGCGGCGTGTCTCC
ACAGAGCTTGTCTGAGTGGCGCATGCAGAACATTGCCGAGACTCTGAGAACAGCTCCGAGGAAGAATTC
TTTGATGCCCATGAAGTTTCTCGGACAGTGTGAGGTCTTCCCAAGGAGATGACCAAGTGAATTCCA
ATGATTTTATCGATGCCTTTGCCTCCCAACCGAGGTGGAGGGGGTACCAGATCCTACAGTCATGGCTAC
CAAAGGCATTGAAGATGGGGCCGAGCTCCAGGGACTCAGAGGGCTAGATGGAGCGGGGGATCTAGTG
GTCGAGGCGTGTCTGTGCATGCCCTTCTCCTCATCCTGCACAGCGGCAGCATCCTGGACTCTGGCCCTG
GAGACACCAACTCCAAGCAGGCCGACGTGCAAACGCTGAGCACAGCCTTTGAGGCCGTACCCGAGTCCA
TTTCCCGAGGCCCTGGGTACGTGGCACTGCGGCTGGTCCCTGTCCACCCATTTGCGCGGCTGCCTAT
GCTCTTGTCTCCAACCTGAGCCCTACAGCCATGATGGGGATAGCCTGTCCCGCTCCAAGACCACATTC



CGCTGGCTGCCCTGCCGCTCCTGGCCACCTCATCCTCTCGCTACCAGGGTGCCGTGGCCACTGTCATCGC
 TCGCACCAACCAGGCCTATGCAGCCTTCTGCGCTCATCGGAGGGCACAGGTTTCTGCGGGCAGGTGGT
 CTGATCGGAGATGGTGTGGTGGCATCCTGGGCTTGTATGCGCTCTGCCACAGTGCCAGTGCAGGCCAG
 GGAGTCGGGGCAGCAGCCGCCGTGGGAGCATGAACAATGAGATGCTCTCCCCTGAAGTTGGTCCAGTACG
 GGACCCGCTGGCAGATGGGGTGGAGGACTGGGTCTGCTAGCCAGAACCCCTCAGCCCTACCTGCTCAG
 CGTACCTTCAGTGACATGGCCAATCCTGATCCTGATGGCTCTCAGAACAGCCCTCAGGTAGCCTCCACAG
 CTACCTCCTCTGGGGAGCCCCGCCGTGCAAGCACAGCCCTCTGTCCACCTGCCAGTCTGAGGCTCCTGA
 CGGCCCCACGAACGCTGCTCGCCTGGACTTCAAGGTCTCAGGCTTCTTCTCTTTGGCTCCCCACTGGGC
 CTGGTGTGGCTCTTCGAAAACCGTGATGCCCGCTTGGAGGTGGCTCAGCTGCGTCCAGCCTGCGAGC
 AGATCTACAATCTCTTCATGCCGCTGACCCTGTGCCTCCCGCTGGAACCCCTGCTGGCCCCAAGTT
 CCAGGCCATCGCCCCCTGGCTGTACCTCGTTACCAGAAGTTTCCCCTAGGAGACGGCTCGTCTTGTG
 CTGGCTGACACTTTGCAAACCCATTGAGTCTCTTCTGGAAGAGCTGGAGATGATGGTGCCTCCACAC
 CCACCTCGGCCAGTGGTGCCTTCTGGAAGGGCAGTGAAGTGGCAATGAGCCAGCATCCCAGACAGCAGC
 CCCCAGCACACCAGCGAGTTGTTAAGATCCTGGACCGCTGGTGGGAAACAAGCGGATCGACTATTCA
 CTGTAAGTCCCGAGGCACTCACGGCTTCCCCACGGTACGCTGCCCCACTCTCCACGCCAGCTACT
 GGGAAATCAGCGGATGTAGTGGCCTTCACTTCTGCGCCAGGTCATTGAGAAGGAGCGCCACAGCTGACAGA
 GTGTGAGGAGCCATCCATCTATAGCCCCGCTTCCCCAGGGAGAAGTGGCAGCGCAAACGCACACAGGTC
 AAGATCCGGAACGTCACTTCCAACCACCGAGCGAGTGACACCGTGGTATGTGAGGGCCGTCGCCAGGTG
 TGAATGGGCGCTTCATGTATGGACATTGGATGTGGTACGCTCACTGGAGAGAAGGTGGATGTCTACGT
 CATGACACAGCCACTGTGAGGCAAGTGGATCCACTTTGGCACAGAGGTCACTAACAGTCCAGGCCGCTC
 ACCTTCCCAGTGCCTCAGAACGTGACTGGGCATTGGTGTCTACCCTGTGCGCATGGTGGTCCAGGGAG
 ACCACACCTATGCCGAGTGTCTGACTGTGGTGTCCGAGGCACAGAAGCTGTGGTCTCAGCATCGA
 TGGTTCTTCACTGCCAGTGTCTCTATCATGGCAGCGACCCCAAGGTGCGCGCTGGCGCAGTGGACGTG
 GTCAGGCACTGGCAGGACTCTGGCTACTTGATTGTGTATGTAAGTGGCCGCTGACATGCAAAAGCACC
 GTGTAGTGGCCTGGCTGTGCAACACAACCTCCCCATGGTGTGTCTCCTTCTGTGATGGCCTACCCCA
 CGACCCGCTGCGGCAGAAAGCCATGTTTCTGCAGAGCCTGGTGAAGAGGTAGAAGTGAACATCGTGGCT
 GGATATGGGTACCAAAAGATGTGGCAGTGTATGCAGCACTGGGGCTCTCTCCGAGCCAGACCTACATTG
 TTGGCCGTGCTGTGCGCAAACTGCAGGCACAGTGTGAGTCTGTGATGGCTATGTGGCCACTTGGG
 CCAGCTGGAGGCAGGCTCCACTCCATGCTCCCTCAGGACCTCCGAGAGCCGCTCTGGCCAAGAGTAGC
 TATGCTGTGGCTGCCCTGTGGACTTCTCCGGAAGCAGAGCCAGCTGCTTCGATCCAGAGGCCCTAGCC
 AGGTGGACCGTGAGGGTCCAGGAACACCTCCCACCACCCTGGCCAGGGGAAGACTCGCAGCATCAGCCT
 CAAGTTGGACAGTGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001136078

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: [NM_001136078.1](#), [NP_001129550.1](#)

RefSeq Size: 4106 bp

RefSeq ORF: 3732 bp

Locus ID: 18739

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]