

Product datasheet for RC233375

PMF1 (NM_001199653) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PMF1 (NM_001199653) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: PMF1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC233375 representing NM_001199653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAAGCAAGTAGCGCCAATCTAGGCAGCGGCTGTGAGGAAAAAGGCATGAGGGGTCTCTTCGG
 AATCTGTGCCACCCGGCACTACCATTTTCGAGGGTGAAGCTCCTCGACACCATGGTGGACACTTTTCTTCA
 GAAGCTGGTCGCCCGGCAGCTACCAGAGATTCAGTACTGCTATAAGTGTCTACCAGTTGCAGCCT
 GCGATGACACAGCAAATCTATGACAAGTTTATAGCTCAGTGCAGACATCTATCCGGGAGGAAATCTCTG
 ACATCAAAGAGGAGGGGAACCTAGAAGCTGTCTTGAATGCCTTGGATAAAATTGTGGAAGAGGCAAAGT
 CCGCAAAGAGCCAGCCTGCAACGGGACACCTGCGGCCCATGTGCAGAAACAGGAGGCCGAGAACCAGC
 AGCTGGCAGATGCCGTCCTGGCAGGGCGGAGGCAGGTGGAGGAGCTGCAGCTACAGGTCCAGGCCAGCA
 GCAGGCCCTGGCAGGCTCTACACAGAGAACAGGGAGCTGGTTGCTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233375 representing NM_001199653
 Red=Cloning site Green=Tags(s)

MAEASSANLGSCEEKREHSGSSSESVPVGGTTISRKLLDMMVDTFLQKLVAAGSYQRFTDCYKCFYQLQP
 AMTQQIYDKFIAQLQTSIREEISDIKEEGLNLEAVLNALDKIVEEGKVRKEPACNGTPCGAMCRNRRPRTS
 SWQMPSWQGGWRWRSYRSRPSRPGRLYTENRGSWLLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001199653

ORF Size: 540 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001199653.1](#), [NP_001186582.1](#)

RefSeq Size: 1061 bp

RefSeq ORF: 543 bp

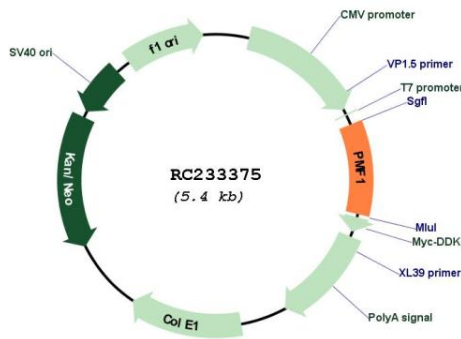
Locus ID: 11243

UniProt ID: [Q6P1K2](#)

Cytogenetics: 1q22
Protein Families: Stem cell - Pluripotency
MW: 20.7 kDa

Gene Summary: Part of the MIS12 complex which is required for normal chromosome alignment and segregation and kinetochore formation during mitosis. May act as a cotranscription partner of NFE2L2 involved in regulation of polyamine-induced transcription of SSAT. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233375