

Product datasheet for **RC233434**

PMF1 (NM_001199654) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PMF1 (NM_001199654) 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: >RC233434 representing NM_001199654
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAAGCAAGTAGCGCCAATCTAGGCAGCGGCTGTGAGGAAAAAGGCATGAGGGGTCTCTTCGG
AATCTGTGCCACCCGGCACTACCATTTTCGAGGGTGAAGCTCCTCGACACCATGGTGGACACTTTTCTTCA
GAAGCTGGTCGCCCGCCGAGCTCTCCACTCCTCATTGGGACGGAAGTGTGGTCCCGCCTGCCCTCT
GGTGGACAGTCTGTGAAACAGGCCTTCAGTTGGCGCGTGCAGGTTACCACAGGGGAGGAAGGAGGAAA
TCTCTGACATCAAAGAGGAGGGGAACCTAGAAGCTGTCTTGAATGCCCTTGATAAAAATTGTGGAAGAAGG
CAAAGTCCGCAAAGGCCAGCCTGGCGCCCCAGCGGGATCCCAGAGAAGGATCTGCACAGTGTATGGCA
CCCTACTTCTGCAGCAACGGGACACCCTGCGGCGCCATGTGCAGAAACAGGAGGCCGAGAACCAGCAGC
TGGCAGATGCCGTCTGGCAGGGCGGAGGCAGGTGGAGGAGCTGCAGCTACAGGTCCAGGCCAGCAGCA
GGCCTGGCAGGCTCTACACAGAGAACAGAGGGAGCTGGTTGCTGTGCTGAGGGAGCCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233434 representing NM_001199654
 Red=Cloning site Green=Tags(s)

MAEASSANLGSCEEKRHGSSSESVPPTTISRKLLDTMVDTFQLKVAAGSSPLLHWDGSAGPRLPS
GGQSVKQAFSWAACRLPQGRKEEISDIKEEGNLEAVLNALDKIVEEGKVRKEPAWRPSGIPEKDLHSVMA
PYFLQQRDTRLRRHVQKQEAENQQLADAVLAGRRQVEELQLQVQAQQAWQALHREQRELVAVLEPE

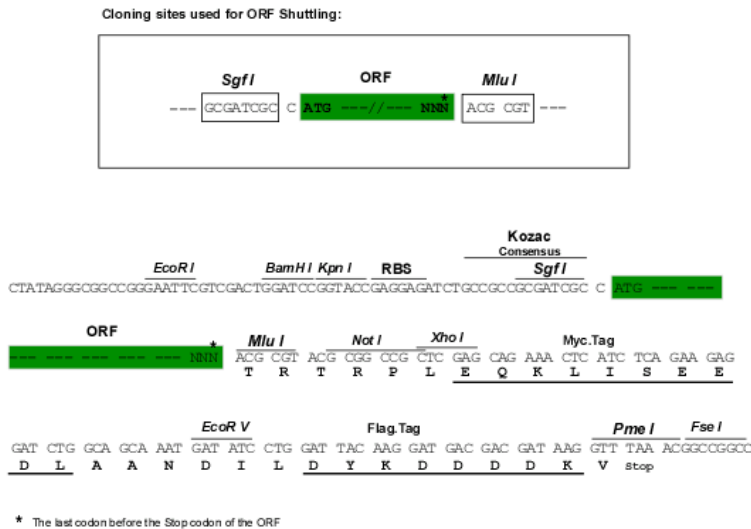
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001199654

ORF Size: 621 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_001199654.1](#), [NP_001186583.1](#)

RefSeq Size: 1128 bp

RefSeq ORF: 624 bp

Locus ID: 11243

UniProt ID: [Q6P1K2](#)

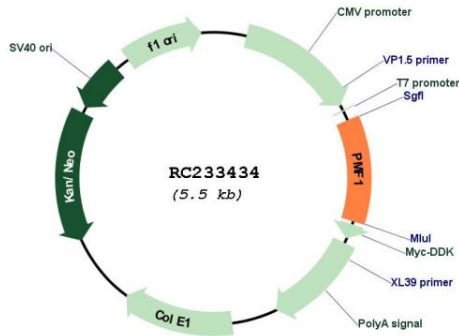
Cytogenetics: 1q22

Protein Families: Stem cell - Pluripotency

MW: 23.4 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 RC233434