

Product datasheet for SC317305

PMF1 (NM_007221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMF1 (NM_007221) Human Untagged Clone
Tag:	Tag Free
Symbol:	PMF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317305 representing NM_007221. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCCGAAGCAAGTAGCGCAATCTAGGCAGCGGCTGTGAGGAAAAAGGCATGAGGGGTCTCTTCG
 GAATCTGTGCCACCCGGCACTACCATTTTCGAGGGTGAAGCTCCTCGACACCATGGTGGACACTTTTCTT
 CAGAAGCTGGTCGCCGCCGGCAGCTACCAGAGATTCAGTACTGCTATAAGTGCTTCTACCAAGTTCAG
 CCTGCGATGACACAGCAAATCTATGACAAGTTTATAGCTCAGTTGCAGACATCTATCCGGGAGGAAATC
 TCTGACATCAAAGAGGAGGGGAACCTAGAAGCTGTCTTGAATGCCTTGGATAAAATTGTGGAAGAAGGC
 AAAGTCCGCAAAGAGCCAGCCTGGCGCCCGAGCGGATCCAGAGAAGGATCTGCACAGTGTATGGCA
 CCCTACTTCTGCAGCAACGGGACACCCTGCGGCCCATGTGCAGAAACAGGAGGCCGAGAACCAGCAG
 CTGGCAGATGCCGTCTTGGCAGGGCGGAGGCAGGTGGAGGAGCTGCAGCTACAGGTCCAGGCCAGCAG
 CAGGCCTGGCAGGCTCTACACAGAGAACAGAGGGAGCTGGTTGCTGTGCTGAGGGAGCCTGAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_007221
Insert Size:	618 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_007221.3</u>
RefSeq Size:	1122 bp
RefSeq ORF:	618 bp
Locus ID:	11243
UniProt ID:	<u>Q6P1K2</u>
Cytogenetics:	1q22
Protein Families:	Stem cell - Pluripotency
MW:	23.3 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] Transcript Variant: This variant (2) lacks an alternate exon but includes another in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.