

Product datasheet for **SC127638**

MRFAP1 (NM_033296) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRFAP1 (NM_033296) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRFAP1
Synonyms:	PAM14; PGR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127638 sequence for NM_033296 edited (data generated by NextGen Sequencing) ATGCGGCCCTGGACATCGTCGAGCTGGCGGAACCGGAGGAAGTGGAGGTGCTGGAGCCC GAGGAGGATTTTCGAGCAGTTTCTGCTCCCGGTCAACGAGATGCGCGAGGACATCGCG TCGCTGACGCGCGAGCACGGGCGGGCGTACCTGCGGAACCGGAGCAAGCTGTGGGAGATG GACAATATGCTCATCCAGATCAAAACGCAGGTGGAGGCCTCGGAGGAGAGCGCCCTCAAC CACCTCCAGAACCCGGGCGACGCGGCCGAGGGCCGGGCGGCCAAGAGGTGCGAGAAGGCC GAGGAGAAGGCCAAGGAGATTGCGAAGATGGCAGAGATGCTGGTGGAGCTGGTCCGGCGG ATAGAGAAGAGCGAGTCGTCGTGA Clone variation with respect to NM_033296.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033296 unedited GACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCTCTATTGCTAAGCATAGCGAG TGTCGGTTTTCTCTCTCCAACAGACATCGCTATTGCGGTTCCGAGGCAGTGGGAAGAGAT GCGGCCCTTGGACATCGTCGAGCTGGCGGAACCGAGGAAGTGGAGGTGCTGGAGCCGA GGAGGATTTTCGAGCAGTTTCTGCTCCCGGTCATCAACGAGATGCGCGAGGACATCGCGTC GCTGACGCGCAGCACGGGCGGGCGTACCTGCGGAACCGAGCAAGCTGTGGGAGATGGA CAATATGCTCATCCAGATCAAAACGCAGGTGGAGGCCTCGGAGGAGAGCGCCCTCAACCA CCTCCAGAACCCGGGCGACGCGGCCGAGGCGCGGCCAAGAGGTGCGAGAAGGCCGA GGAGAAGGCCAAGGAGATTGCGAAGATGGCAGAGATGCTGGTGGAGCTGGTCCGGCGGAT AGAGAAGAGCGAGTCGTCGTGAGCGCGGTCGGCGGTTTCCAGCCAATGGATTCTGGTCAA CTGGTGGAGATTGGCTGACACCCTGNAGAAGCCGAAACCAGAGAGCCTTTTGTCTCTCT TTTTTCTGTCTATGCTCTGTCTCACTTAACACTACGTTNTCTGCTATGGTCTGTGGTT GATGACCCTCATATGANGTTTCGATTGTTAACGTGTTTTTGTGGAGAAAGTATTNTGTTT GAAATGCTCTCACATACAGGAATTAGGGCCTAGATGTAGCTCTTGCGCAGTACATTTGTC CCGNNNCTTGTGGTATTCTAAATNNTGAGGGCTTGCTTTCTGNGTGACTGATACTCCT GAACCTTTGGTCTGGTGTACCATGAACACANNTGAGTCTCACTCTGAGTGCTGAAGAGCT GCTTATCTGAGACACTCTGCGCACTCTGAGAAGACCNCTCACGGGATGGTGATGGCGCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_033296
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:	<u>NM_033296.1</u> , <u>NP_150638.1</u>
RefSeq Size:	1534 bp
RefSeq ORF:	384 bp
Locus ID:	93621
UniProt ID:	<u>Q9Y605</u>
Cytogenetics:	4p16.1

Gene Summary:

This gene encodes an intracellular protein that interacts with members of the MORF4/MRG (mortality factor on chromosome 4/MORF4 related gene) family and the tumor suppressor Rb (retinoblastoma protein.) The protein may play a role in senescence, cell growth and immortalization. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode isoform a.