

Product datasheet for **RC233286**

MRFAP1 (NM_001272053) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: Myc-DDK
Symbol: MRFAP1
Synonyms: PAM14; PGR1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC233286 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCCCTGGACATCGTCGAGCTGGCGGAACCGAGGAAGTGGAGGTGCTGGAGCCGAGGAGGATT
TCGAGCAGTTTCTGCTCCCGGTCAACGAGATGCGCGAGGACATCGCGTCGCTGACGCGCGAGCACGG
GCGGGCGTACCTGCGGAACCGAGCAAGCTGTGGGAGATGGACAATATGCTCATCCAGATCAAAACGCAG
GTGGAGGCTCGGAGGAGAGCGCCCTCAACCACCTCCAGAACCGGGCGACGCGCCGAGGGCCGGGCGG
CCAAGAGGTGCGAGAAGGCCGAGGAGAAGGCCAAGGAGATTGCGAAGATGGCAGAGATGCTGGTGGAGCT
GGTCCGCGGATAGAGAAGAGCGAGTCGTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233286 protein sequence
Red=Cloning site Green=Tags(s)

MRPLDIVELAEPEEVEVLEPEEDFEQFLLPVINEMREDIASLTREHGRAYLRNRSKLWEMDNMLIQIKTQ
VEASEESALNHLQNPGDAAEGRAAKRCEKAEKAKEIAKMAEMLVELVRRIEKSESS

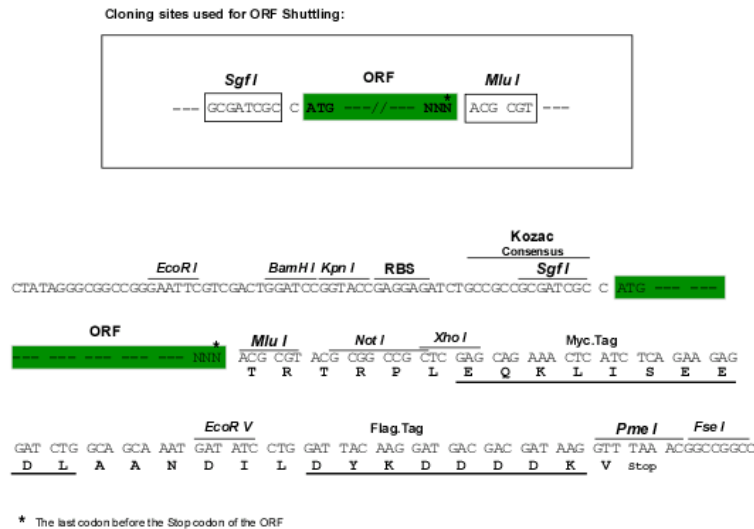
TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Chromatograms: https://cdn.origene.com/chromatograms/mk6426_e07.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001272053

ORF Size: 381 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.

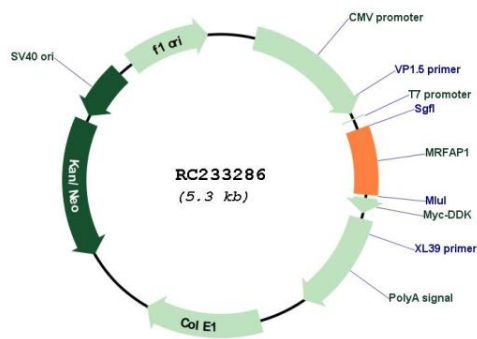
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001272053.1](#), [NP_001258982.1](#)

RefSeq Size: 2065 bp
RefSeq ORF: 384 bp
Locus ID: 93621
UniProt ID: [Q9Y605](#)
Cytogenetics: 4p16.1
MW: 14.6 kDa

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]

Product images:



Circular map for RC233286