

## Product datasheet for **RG206815**

### **MRFAP1 (NM\_033296) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: MRFAP1 (NM\_033296) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: MRFAP1  
 Synonyms: PAM14; PGR1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >RG206815 representing NM\_033296  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGCGGCCCTGGACATCGTCGAGCTGGCGGAACCGGAGGAAGTGGAGGTGCTGGAGCCCGAGGAGGATT  
 TCGAGCAGTTTCTGCTCCCGGTCAACGAGATGCGCGAGGACATCGCGTCGCTGACGCGCGAGCACGG  
 GCGGGCGTACCTGCGGAACCGGAGCAAGCTGTGGGAGATGGACAATATGCTCATCCAGATCAAAACGCAG  
 GTGGAGGCCTCGGAGGAGAGCGCCCTCAACCACCTCCAGAACCCGGGCGACGCGGCCGAGGGCCGGGCGG  
 CCAAGAGGTGCGAGAAGGCCGAGGAGAAGCCAAGGAGATTGCGAAGATGGCAGAGATGCTGGTGGAGCT  
 GTCCGGCGGATAGAGAAGAGCGAGTCGTCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206815 representing NM\_033296  
 Red=Cloning site Green=Tags(s)

MRPLDIVELAEPEEEVLEPEEDFEQFLLPVINEMREDIASLTREHGRAYLRNRSKLWEMDNMLIQIKTQ  
 VEASEESALNHLQNPGDAAEGRAAKRCEKAEKAKEIAKMAEMLVELVRRIEKSESS

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_033296

**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.

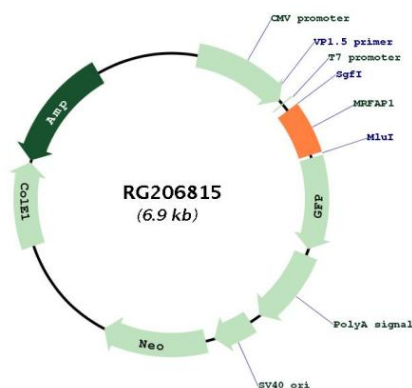
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_033296.2](#)

**RefSeq Size:** 1534 bp

RefSeq ORF:	384 bp
Locus ID:	93621
UniProt ID:	<a href="#">Q9Y605</a>
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]

## Product images:



Circular map for RG206815