

## Product datasheet for **RG203874**

### **FAM83F (NM\_138435) Human Tagged ORF Clone**

#### Product data:

|                    |                         |
|--------------------|-------------------------|
| Product Type:      | Expression Plasmids     |
| Tag:               | TurboGFP                |
| Symbol:            | FAM83F                  |
| Mammalian Cell     | Neomycin                |
| Selection:         |                         |
| Vector:            | pCMV6-AC-GFP (PSI00010) |
| E. coli Selection: | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >RG203874 representing NM\_138435  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGACCTCTTCACTGATGGTGATATCTTTCAAGACATTGTGGATGCTGCCTGTAAGCGCCGGGTCCCAG  
TGTACATCATCCTGGACGAGGCAGGAGTGAAGTATTTCTGGAGATGTGTCAGGACCTGCAGCTCACTGA  
CTTCCGGATTTCGGAACATCCGTGTCCGCTCTGTGACAGGCGTCGGCTTCTACATGCCCATGGGGAGGATC  
AAGGGGACCTGTGATCAAGGTTCTGATGGTGACGGTGACAAAGTGGCCACTGGATCTTACAGGTTCA  
CCTGGAGTTCTCCCATGTGGACAGAACTCCTCCTGCTCCTGACAGGACAGAACGTAGAGCCCTTTGA  
CACGGAGTTCCGGAGCTGTACGCCATCTCCGAGGAGGTGGACTTGTACCGGCAGCTGAGCCTGGCGGC  
AGGGTTGGCTCCATTACTCCTCCACTGTGGCTCGAAAGCTTATCAACCCCAAGTACGCTTGGTGTCAG  
GCTGCCGCCACCCGCTGGGGAGATGATGCGCTGGGCTGCCCGGCAACAGTGGGAGGCGGGCGGCAACCC  
GGAGGGGCAGGAGGAGGCGCCAGCGGTGGCGAGTCGGCTGGCGCTGGAGAGCTTCTGAAAGACCTG  
GTTACGGTGGAGCAGGTGCTGCCCCCGTGGAGCCATCCCCTTGGGAGAGCTGAGCCAGAAGGATGGCA  
GGATGGTCTCTACATGCACAGAGACCTGAAGCCCAATCCCGAGAGGCACCCAGCCGAAACGGCATGGG  
AGAAGCGGGCCCGGGGGAGGCCGCCCGCCAGGCGCTTCAGCAGCAGGCTCTTCAGTCGCCGAGCCAAG  
AGGCCTGCGGCGCCCAATGGCATGGCCAGCTCTGTCTCCACCGAGACCTCTGAAGTGGAGTTTCTGACGG  
GGAAGAGGCCCAACGAGAATTCCAGTGCTGACATCTCAGGTAAACAAGTCCCAGTTCTGCCAAGCCTAG  
CAACTGTGTGATTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >RG203874 representing NM\_138435  
Red=Cloning site Green=Tags(s)

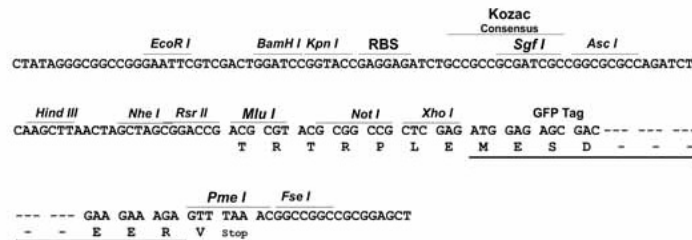
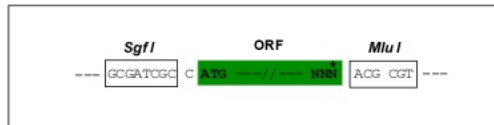
MDLFTDGDIFQDIVDAACKRRVPVYIILDEAGVKYFLEMCDLQLTDFRIRNIRVRSVTGVGYMPMGRI  
KGTLSRFLMVDGDKVATGSYRFTWSSSHVDRNLLLLLTGQNVFPDTEFREL YAISEEVLYRQLSLAG  
RVGLHYSSTVARKLINPKYALVSGCRHPPGEMMRWAARQQWEAGGNPEGQEEGASGGESAWRLESFLKDL  
VTVEQVLPPVEPIPLGELSQKDGMRVSHMRDLKPKSREAPSRNGMGEAARGEAAPARRFSSRLFSSRAK  
RPAAPNGMASSVSTETSEVEFLTGKRPENSSADISGKTSPSSAKPSNCVIS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_138435

**ORF Size:** 996 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\\_138435.1](#), [NP\\_612444.1](#)

**RefSeq Size:** 2134 bp

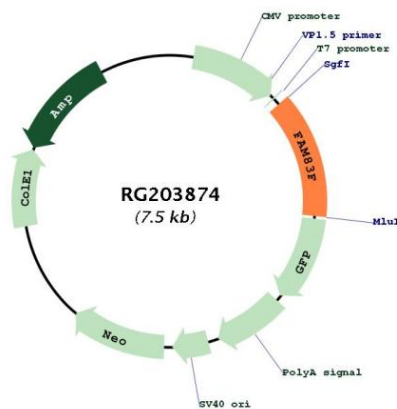
**RefSeq ORF:** 1503 bp

**Locus ID:** 113828

**UniProt ID:** [Q8NEG4](#)

**Cytogenetics:** 22q13.1

## Product images:



Circular map for RG203874