

## Product datasheet for **RG205443**

### FAM81A (NM\_152450) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM81A (NM_152450) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM81A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205443 representing NM_152450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCTAAGGCGAGTGAGAACCATGCCCCGACACAGCCAGTCCCTGACAATGGCACCATACTCATCTG  
TAAGCCTCGTGGAGCAGCTGGAAGACAGGATCCTCTGCCATGAGAAAACCACCGCCCTCGTAGAGCA  
CGCCTTCGGATTAAGATGACATTGTCAACAGTTTGCAGAAAATGCAAAACAAGGGGGAGGTGACCGC  
TTGGCCAGGCTTTTCTTGAGGAGCATATCAGAAACATAACTGCCATAGTGAAGCAACTAATCGGGATA  
TCGAGGTACTCCAGGAGCAGATTCTGTCTCGGGACAACATTAGCTATGGAATAATCTGCCTTAAAGAC  
CCTGGAGATGCGCCAGCTCTCCGGTTTGGGAGATCTTCGAGGAAGAGTGGCAAGATGTGATGCCAGCATA  
GCTAGACTTTCTGCAGAGCACAAAACGACCTATGAGGGGCTCCAGCACTTGAACAAGAACAGCAGGCTG  
CCAACTTATCTTGAAACGAAAATCAAAGATGCAGAGGGACAGATTTCTCAGCTTTTGAACAGAGTGGA  
CTTGTCATATCAGAGCAGAGCACCAAACCTGAAGATGTCTCACAGAGACAGTAACCACCAGCTTCAGCTT  
TTGGACACTAAATTTAAAGGTACAGTTGAGGAACCTCAGTAACCAGATATTATCTGCACGGAGTTGGTTGC  
AACAGGAACAAGAACGGATAGAAAAGAGCTTTTACAGAAAATTGATCAGCTTTCCTTGATTGTTAAGGA  
AAACAGTGGAGCCAGTAAAAGGGATATGGAGAAGAAGCTCAGCCAGATGTCAGCCAGGCTTGACAAAATA  
GAAGAGGGTCAAAGAAGACTTTTGATGGTCAGAGAACAAGGCAAGAAGAGGAGAAGATGCACGGGCGAA  
TCACCAAGCTGGAGTTACAGATGAACCAGAACATCAAGGAAATGAAAGCAGAAGTTAATGCTGGGTTTAC  
AGCCGTCTATGAAAGCATAGGATCCATCAGGCAAGTTCTCGAGGCCAAGATGAAGCTGGACAGGGACCAG  
CTACAGAAGCAAATCCAGCTGATGCAGAAGCCAGAGACCCCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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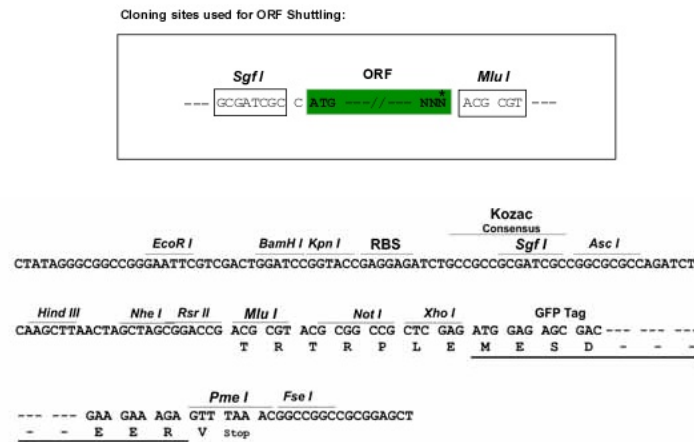
**Protein Sequence:** >RG205443 representing NM\_152450  
 Red=Cloning site Green=Tags(s)

MHLRRVRTMPRHSQLTMAPYSSVSLVEQLEDRI LCHEKTTAALVEHAFRIKDDIVNSLQKMQNKGGGDR  
 LARLFLEEHIRNITAIVKQLNRDIEVLQE QIRARDNISYGTNSALKTLEMRLSGLGDLRGRVARCDASI  
 ARLSAEHKTTYEGLQHLNKEQQAAKLILETKIKDAEGQISQLLNRVDLSISEQSTKLKMSHRDSNHQLQL  
 LDTKFKGTVEELSNQILSARSWLQQEQERIEKELLQKIDQLSLIVKENS GASERDMEKKLSQMSARLDKI  
 EEGQKKTFDQGQRTRQEEEEKMHGRITKLELQMNQNIKEMKAEVNAGFTAVYESIGSIRQVLEAKMKLDRDQ  
 LQKQIQLMQKPETPM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152450

**ORF Size:** 1095 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.

**RefSeq:** [NM\\_152450.1](#), [NP\\_689663.1](#)

**RefSeq Size:** 3468 bp

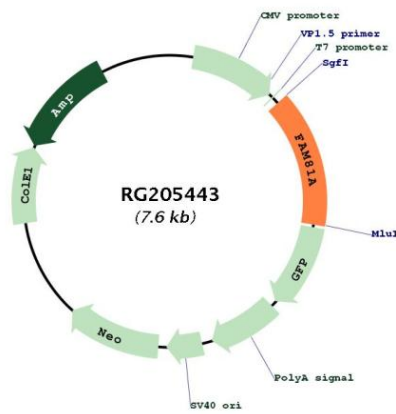
**RefSeq ORF:** 1107 bp

**Locus ID:** 145773

**UniProt ID:** [Q8TBF8](#)

**Cytogenetics:** 15q22.2

**Product images:**



Circular map for RG205443