

Product datasheet for **RG233675**

FAM181A (NM_001207074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM181A (NM_001207074) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM181A
Synonyms:	C14orf152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233675 representing NM_001207074 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCCGACAGTGATGTGAAGATGCTGCTGAACTTCGTGAACCTGGCGTCCAGCGACATCAAGGCAG
 CCCTGGATAAGTCCGCACCCTGCCGCCGCTCCGTGGACCATCGCAAGTACCTGCAGAAGCAGCTCAAGCG
 CTTCTCCAGAAGTATCCCGGCTCCCGCGGGCCTTCCTGGCAGAGCTGCTGAGCCCTACCTGAAAAGG
 GGGTCTGAGGACCGCCAGGAGGCTGCTCCTGGATTTGGGCCCTGATTCCAGCCCCGGCGGGGTGGGG
 GCTGCAAGGAGAAGGTGCTGAGGAACCCCTACAGGGAGGAATGTCTTGCTAAGGAGCAGCTCCACAGAG
 GCAGCATCCAGAAGCTGCCCAGCCTGGCCAGGTGCCCATGAGGAAAAGACAGCTGCCCGCTTCCTTCTGG
 GAAGAGCCAAGGCCACCCACAGCTACCATGTGGGGCTGGAGGGGGGACTGGGCCCCAGGGAGGGACCTC
 CCTATGAGGGTAAGAAAAATTGCAAGGGCTTGGAGCCCTGGGACCTGAGACTACCCTGGTGTCCATGTC
 TCCAAGGGCCCTGGCTGAAAAGGAGCCGCTCAAGATGCCTGGGGTCTCCTTGGTGGGCCCGCTCAATGCC
 TGGAGTTGCTGCCCTTCCAGTACCATGGACAGCCCATCTATCCGGGCCCCCTGGGGGCACTGCCTCAGA
 GTCCTGTCCCAGCCTGGGCCTTTGGAGGAAGAGCCAGCCTTCCCGGGGAGCTGGCGCACCTCTGCAA
 GGATGTGGACGGCCTGGGGCAGAAGGTGTGCAGGCCCGTGGTGTGAAACCCATCCCCACCAAGCCAGCC
 GTGCCCCACCCATCTTCAATGTCTTTGGCTACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG233675 representing NM_001207074
 Red=Cloning site Green=Tags(s)

MASDSVDKMLLNFNLAASSDIKAALDKSAPCRRSVDHRKYLQKQLKRFSQKYSRLPRGLPGRAAEPYLKR
 GSEDRPRRLLLDLGPDSSPGGGGCKEVLNPNYREECLAKEQLPQRQHPEAAQPGQVPMRKRQLPASFW
 EEPRPTHSYHVGLEGLGPREGPPYEGKKNCKGLEPLGPETTLVSMSPRALAEKEPLKMPGVSLVGRVNA
 WSCCPFQYHGQPIYPGLGALPQSPVPSLGLWRKSPAFFGELAHLCCKVDGLGQKVCRPVVLKPIPTKPA
 VPPPIFNVFGYL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001207074

ORF Size: 876 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_001207074.2](#)

RefSeq Size: 1482 bp

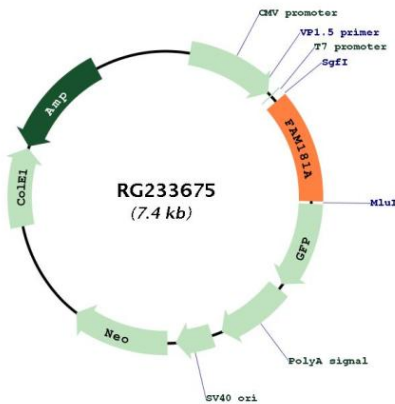
RefSeq ORF: 879 bp

Locus ID: 90050

UniProt ID: [Q8N9Y4](#)

Cytogenetics: 14q32.12

Product images:



Circular map for RG233675