

Product datasheet for **RG234683**

FAM13A (NM_001265580) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM13A (NM_001265580) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM13A
Synonyms:	ARHGAP48; FAM13A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234683 representing NM_001265580
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTGTGAAATCATGCCTCTGCAAAGACTCTTAGAAAGAACCATCCGATCAGCTGTAGAACAACATC
 TTTTGTATGTTAATAACTCTGGAGGTCAAAGTTCAGAGGACTCAGAATCTGGAACACTATCAGCATCTTC
 TGCCACATCTGCCAGACAGCGCCGCCAGTCCAAGGAGCAGGATGAAGTTCGACATGGGAGAGACAAG
 GGACTTATCAACAAAGAAAACTCCTTCTGGGTTCAACCACTTGATGATTGATTTTGAATACTCAGG
 AAGTCGAAAAGGTACACAAAAATACTTTTGGTTGTCTGGAGAAAGGAGCAAGCCTAAACGTGAGAAATC
 CAGTACTAACTTTCTGAGCTTCATGACAATCAGGACGGTCTTGTAATATGGAAAGTCTCAATTCACA
 CGATCTCATGAGAGAACTGGACCTGATGATTTTGAATGGATGTCTGATGAAAGGAAAGGAAATGAAAAAG
 ATGGTGGACACACTCAGCATTTTGAAGCCCCACAATGAAGATCCAGGAGCATCCAGCCTATCTGACAC
 CAAACAGCAGAGAAATCAAGATGCCGGTGACCAGGAGGAGAGCTTTGTCTCCGAAGTGCCCAAGTCGGAC
 CTGACTGCATTGTGTGATGAAAAGAACTGGGAAGAGCCTATCCCTGCTTTCTCCTCTGGCAGCGGGAGA
 ACAGTGACTCTGATGAAGCCACCTCTCGCCGAGGCTGGGCGCCTGATCCGTGACGTGCTGGACGAAGA
 CAGCGACCCCATGCTCTCTCCTCGGTTCTACGCTTATGGGCAGAGCAGGCAATACCTGGATGACACAGAA
 GTGCCTCCTTCCCCACCAAATCCCATTCTTTCATGAGGCGGCGAAGCTCCTCTCTGGGGTCTATGATG
 ATGAGCAAGAGGACCTGACACCTGCCAGCTCACACGAAGGATTCAGAGCCTTAAAAAGAAGATCCGGAA
 GTTTGAAGATAGATTGGAAGAAGAGAAGATACAGACCTTCCACAGTGACAAAGCAGCCAATCCGGAG
 GTTCTGAAATGGACAAATGACCTTGCCAAATCCGGAGACAACCTAAAGAATCAAACTAAAGATATCTG
 AAGAGGACCTAACTCCCAGGATGCGGCAGCGAAGCAACACACTCCCCAAGAGTTTGGTTCCCAACTTGA
 GAAAGAAGATGAGAAGAAGCAAGAGCTGGTGGATAAAGCAATAAAGCCAGTGTTGAAGCCACATTGGAA
 TCTATTGAGGGAAGCTCCAGGAGAAGCGAGCGGAAAGCAGCCGCCCTGAGGACATTAAGGATATGACCA
 AAGACCAGATTGCTAATGAGAAAGTGGCTCTGCAGAAAGCTCTGTTATATTATGAAAGCATTGATGGACG
 GCCGGTAACAAAGAACGAACGGCAGGTGATGAAGCCACTATACGACAGGTACCGGCTGGTCAAACAGATC
 CTCTCCCGAGCTAACACCATAACCATCATTGGTTCCCCCTCCAGCAAGCGGAGAAGCCCTTTGCTGCAGC
 CAATTATCGAGGGCGAACTGCTTCTTCTCAAGGAGATAAAGGAAGAAGAGGAGGGGTCAGAAGACGA
 TAGCAATGTGAAGCCAGACTTCATGGTCACTCTGAAAACCGATTTCAAGTGCACGATGCTTTCTGGACCA
 TTCGAAGATGACGCTGATGGATTTATTTCCCAATGGATGATAAAATACCATCAAAATGCAGCCAGGACA
 CAGGGCTTTCAAATCTCCATGCTGCCTCAATACCTGAACTCCTGGAACACCTCCAGGAAATGAGAGAAGA
 AAAGAAAAGGATTCGAAAGAAATTCGGGATTTTGAAGACAACCTTTTCAGACAGAATGGAAGAAATGTC
 CAGAAGGAAGACCGCACTCCTATGGCTGAAGAATACAGTGAATATAAGCACATAAAGCGGAACTGAGGC
 TCCTGGAGGTGCTCATCAGCAAGAGAGACACTGATTCCAAGTCCATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234683 representing NM_001265580
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MACEIMPLQRLLETRIRSAVEQHLFDVNNSSGGQSSSESGTLSASSATSARQRRRSKEQDEVHRGRDK
 GLINKENTPSGFNHLDDCILNTQEVEKVHKNFTGCAGERSKPKRQKSSTKLSELHDNQDGLVNMESLNST
 RSHERTGPDDFEWMSDERKGNEKDGGHTQHFESPTMKIQEHPSLSDTKQQRNQDAGDQEESEFVSEVPQSD
 LTALCDEKNWEEPIPAFSSWQRENSDSDEAHLSPQAGRLIRQLLEDDSDPMLSPRFYAYGQSRQYLDDE
 VPPSPPNSHSFMRSSSLGSDYDEQEDLTPAQLTRRIQSLKKKIRKFEDRFEKKYRPSHSDKAANPE
 VLKWTNDLAKFRRQLKESKLKISEEDLTPMRQRSNTLPKSFSGLEKEDEKKQELVDKAIKPSVEATLE
 SIQRKLQEKRAESSRPEDIKMTKDQIANEKVALQKALLYESIHGPRVTKNERQVMKPLYDRYRLVKQI
 LSRANTIPIIGSPSSKRRSPLLQPIIEGETASFKEIKEEEEGSEDDSNVKPDFMTLKTDFSARCFDQ
 FEDDADGFISPMDDKIPSKCSQDTGLSNLHAASIPELLEHLQEMREEKKIRKKLRDFEDNFRQNGRNV
 QKEDRTPMAEEYSEYKHIKAKLRLLLEVLISKRDTSKSM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001265580

ORF Size: 2007 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_001265580.1](#), [NP_001252509.1](#)

RefSeq Size: 4946 bp

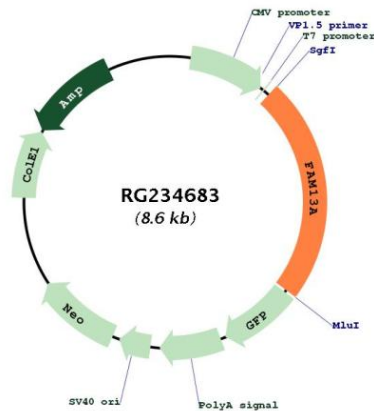
RefSeq ORF: 2010 bp

Locus ID: 10144

UniProt ID: [O94988](#)

Cytogenetics: 4q22.1

Product images:



Circular map for RG234683