

Product datasheet for **RG234682**

FAM13A (NM_001265579) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM13A (NM_001265579) 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:**

>RG234682 representing NM_001265579
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTGTAATCATGCCTCTGCAAAGTTCACAGGAAGATGAAAGACCTCTGTACCTTTCTATTGGA
 GTGCTCATGTACCCCAAGTCAGCAATGTGTCTGCAACCGGAGAACTCTTAGAAAGAACCATCCGATCAGC
 TGTAGAACAACATCTTTTGTATGTTAATACTCTGGAGGTCAAAGTTCAGAGGACTCAGAATCTGGAACA
 CTATCAGCATCTTCTGCCACATCTGCCAGACAGCGCCGCCAGTCCAAGGAGCAGGATGAAGTTCGAC
 ATGGGAGAGACAAGGGACTTATCAACAAAGAAAATACTCCTTCTGGGTTCAACCACCTTGATGATTGTAT
 TTTGAATACTCAGGAAGTCGAAAAGGTACACAAAATACTTTGGTTGTGCTGGAGAAAGGAGCAAGCCT
 AAACGTCAGAAATCCAGTACTAACTTTCTGAGCTTCATGACAATCAGGACGGTCTTGTAATATGGAAA
 GTCTCAATTCCACACGATCTCATGAGAGAACTGGACCTGATGATTTTGAATGGATGTCTGATGAAAGGAA
 AGGAAATGAAAAAGATGGTGGACACACTCAGCATTTTGAAGAGCCCAACAATGAAGATCCAGGAGCATCCC
 AGCCTATCTGACACCAACAGCAGAGAAATCAAGATGCCGGTGACAGGAGGAGAGCTTTGTCTCCGAAG
 TGCCCCAGTCGGACCTGACTGCATTGTGTGATGAAAAGAAGTGGGAAGAGCCTATCCCTGCTTTCTCCTC
 CTGGCAGCGGGAGAACAGTGAAGCTCTGATGAAGCCACCTCTCGCCGAGGCTGGGCGCCTGATCCGTCAG
 CTGCTGGACGAAGACAGCGACCCCATGCTCTCTCTCGGTTCTACGCTTATGGGCAGAGCAGGCAATACC
 TGGATGACACAGAAGTGCTCTCTTCCCCACAACTCCCATCTTTTATGAGGCGGCGAAGCTCTCTCTCT
 GGGGTCTATGATGATGAGCAAGAGGACCTGACACCTGCCAGCTCACACGAAGGATTGAGAGCCTTAA
 AAGAAGATCCGGAAGTTTGAAGATAGATTGGAAGAAGAGAAGTACAGACCTTCCACAGTGACAAAG
 CAGCCAATCCGGAGGTTCTGAAATGGACAAATGACCTTGCCAAATTCCGGAGACAATTAAGAATCAAA
 ACTAAAGATATCTGAAGAGGACCTAACTCCCAGGATGCGGCAGCGAAGCAACACACTCCCCAAGAGTTT
 GGTTCCCAACTTGAGAAAGAAGATGAGAAGAAGCAAGAGCTGGTGATAAAGCAATAAAGCCAGTGTTG
 AAGCCACATTGGAATCTATTGAGGAAGCTCCAGGAGAAGCGAGCGGAAAGCAGCGCCCTGAGGACAT
 TAAGGATATGACCAAGACCAGATTGCTAATGAGAAAGTGGCTCTGCAGAAAGCTCTGTTATATTATGAA
 AGCATTTCATGGACGGCCGGTAACAAAGAACGAACGGCAGGTGATGAAGCCACTATACGACAGGTACCGGC
 TGGTCAACAGATCCTCTCCCGAGCTAACACCATACCCATCATTGAAGAAGAGGAGGGGTCAGAAGACGA
 TAGCAATGTGAAGCCAGACTTCATGGTCACTCTGAAAACCGATTTCAAGTGCACGATGCTTTCTGGACCAA
 TTCGAAGATGACGCTGATGGATTTATTTCCCAATGGATGATAAAATACCATCAAAATGCAGCCAGGACA
 CAGGGCTTTCAAATCTCCATGCTGCCTCAATACCTGAACCTCTGGAACACCTCCAGGAAATGAGAGAAGA
 AAAGAAAAGGATTCGAAAGAACTTCGGGATTTTGAAGACAACCTTTTCAGACAGAATGGAAGAAATGTC
 CAGAAGGAAGACCGCACTCCTATGGCTGAAGAATACAGTGAATATAAGCACATAAAGGCGAACTGAGGC
 TCCTGGAGGTGCTCATCAGCAAGAGAGACACTGATTCCAAGTCCATG

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234682 representing NM_001265579
 Red=Cloning site Green=Tags(s)

MACEIMPLQSSQEDERPLSPFYLSAHVPQVSNVSATGELLERTIRSAVEQHLFDVNNSSGGQSSDESSESGT
 LSASSATSARQRRRQSKQDEVRHGRDKGLINKENTPSGFNHLDDCILNTQEVEKVHKNTFCGAGERSKP
 KRQKSSTKLSELHDNQDGLVNMESLNSTRSHERTGPDDFEWMSDERKGNEKDGGHTQHFESPTMKIQEHP
 SLSDTKQQRNQDAGDQEESEFVSEVPQSDLTALCDEKNWEEPIPAFSSWQRENSDSDEAHLSPQAGRLIRQ
 LLDESDPMLSPRFYAYQSRQYLLDTEVPPSPPNSSHFMRRRSSSLGSYDDEQEDLTPAQLTRRIQSLK
 KKIRKFEDRFEEKKYRPSHSDKAANPEVLKWTNDLAKFRRQLKESKLKISEEDLTPMRQRSNTLPKSF
 GSQLEKEDEKKQELVDKAIKPSVEATLESIQRKLQEKRAESSRPEDIKDMTKDQIANEKVALQKALLYE
 SIHGRPVTKNERQVMKPLYDRYRLVKQILSRANTIPIIEEEGESDDSNVKPDFMVTCLKTDFSARCFLDQ
 FEDDADGFI SPMDDKIPSKCSQDTGLSNLHAASIPELLEHLQEMREEKKIRKKLRDFEDNFRQNGRNV
 QKEDRTPMAEEYSEYKHIKAKLRLLLEVLISKRDTSKSM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001265579

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_001265579.1](#), [NP_001252508.1](#)

RefSeq Size: 4946 bp

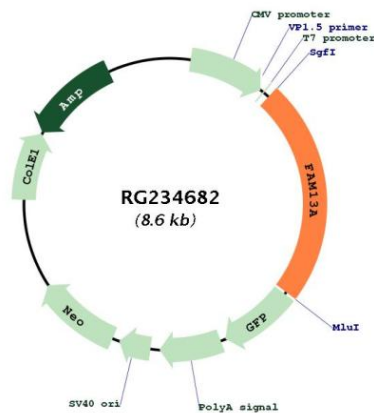
RefSeq ORF: 2010 bp

Locus ID: 10144

UniProt ID: [O94988](#)

Cytogenetics: 4q22.1

Product images:



Circular map for RG234682