

Product datasheet for **RG209580**

FAM13C1 (FAM13C) (NM_001001971) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM13C1 (FAM13C) (NM_001001971) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM13C1
Synonyms:	FAM13C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209580 representing NM_001001971
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTTTTCTTGTTCCTGTTTCAGCCTTCAGGATAATTCCTTCAGCAGCACCACTGTAACAGAGTGTGACG
 AAGATCCAGTCTCTCTACATGAAGACCAGACTGATTGCTCCAGTCTCAGAGATGAAAACAATAAAGAGAA
 CTACCCCGACGCAGGGGCTCTGGTAGAAGAGCAGCGCCGCCCTCTTGGGAGCCGACGACGAGAATGTA
 GAGGCGACCGTGTGCTGGGACAGCGTATTGCGACCCAGCATGGGCAACTCAAGTCCAGGAAGCCCAAGT
 CCATCTTCAAAGCGGAGAGCGGGAGGAGCCACGGAGAAAGTCAGGAGACAGAGCATGTGGTATCCAGCCA
 GTCAGAGTGTGAGGTGAGAGCAGGAACACCAGCTCATGAGAGTCCACAAAACAATGCCTTCAAGTGCCAA
 GAAACAGTGCAGCTTCAACCAAGAATAGACCAGAGGACTGCCATTTGCCAAAGGATGCTTTTGAAACTC
 GGCAGGACTTAAATGAGGAAGAAGCTGCTCAGGTGCATGGAGTCAAGGACCCGGCCGACATCAACCCA
 GAGCGTGCTTGGCGATGGGACAGATTCTGCAGACCCCTCACCAGTCCACAAAGATGGGCAGAATGAGGCC
 GACAGTGCACCAGAAGACCTCCACTCTGTGGGGACGACAGGCTGCTCTATCACATCACTGATGGTGATA
 ACCCACTGCTGTGCGCCAGATGCTCCATCTTCAGCCAAAGCCAGAGATCAACTTAGACCCCGAGTCAGC
 CCCATCTCCACCCAGCACTCAGCAGTTTATGATGCCGCGGAGTTCTTCAGCTGCAGCTGTGGAGATGGC
 AAGGAGCCACAGACCATCACCCAGCTCACCAAGCACATCCAGAGCCTCAAGCGGAAAATTCGGAAATTTG
 AAGAAAAATTTGAACAAGAAAAGAAATACCGGGTAACCTAAGCAAGACAAGAACCTCATAAAGCCGCTTTA
 TGACCGATACAGAATTATCAAGCAAACTTGTCAACACCTTCCCTATTCCAACAATTGAGGAGGAAGAG
 GACTCTGATGAAGACCGTCCACAGGGAAGCCAAACCTTCTTTGGCAGATCCAGCATCTCACCTTCCTG
 TTGGTGACCACCTCACCTACTCTAATGAGACTGAGCCTGTTAGGGCCCTTTACCAGATGAAAAGAAAGA
 AGTAAACCAACAGCTCTCTCCATGTCTAATTTACATGAGGCTACCATGCCTGTACTTCTTGACCATCTC
 CGAGAACTAGGGCTGACAAGAAGAGACTGCGGAAAGCCTTAAGAGAATTTGAAGAACAGTTTTTTAAAC
 AAACAGGAAGAAGTCCACAAAAGGAAGATAGGATACCAATGGCAGATGAGTATTATGAATATAAGCACAT
 AAAAGCCAACTGAGACTATTAGAGTCTCATCAGCAAGCAAGATGTGGCCAAACTATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

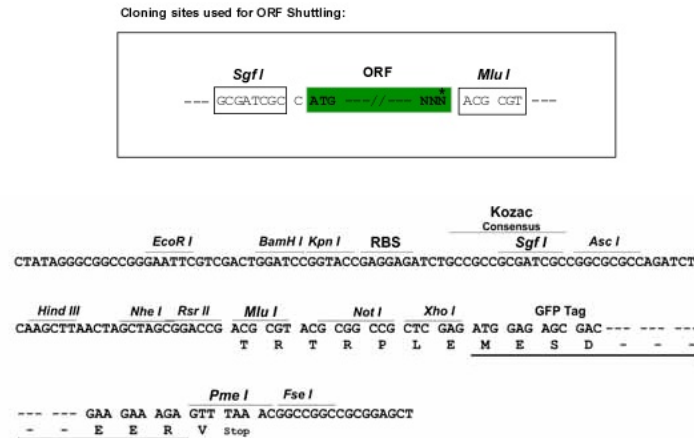
>RG209580 representing NM_001001971
 Red=Cloning site Green=Tags(s)

MFSCFCFSLQDNSFSSTTVTECDEDPVSLHEDQTDCCSLRDENNKENYPDAGALVEEHAPPSWEPQQNV
 EATVLDVSVLRPSMGNFKSRPKSIFKAESGRSHGESQTEHVVSQSECQVRAGTPAHESQNNAFKQ
 ETVRLQPRIDQRTAISPKDAFETRQDLNEEEAAQVHGKDPAPASTQSVLADGTDADSPVHKDGQNEA
 DSAPEDLHSVGTSRLLYHITDGNPLLSRPCSIFSQSQRFNLDPEASPPSTQQFMMPRSSSRCSCGDG
 KEPQTITQLTKHIQSLKRKIRKFEEKFEQEKYRVTKQDKNLKPLYDRYRIKQILSTPSLIPTIQEEE
 DSDEDRPQGSQQPSLADPASHLPVGDHLYTNETEPVRALLPDEKKEVKPPALSMSNLHEATMPVLLDHL
 RETRADKKRLRKALREFEEQFFKQTRSPQKEDRIPMADEYYEYKHIAKALRLLEVLISKQDVAKTI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001001971

ORF Size: 1461 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_001001971.2](#), [NP_001001971.1](#)

RefSeq Size: 3073 bp

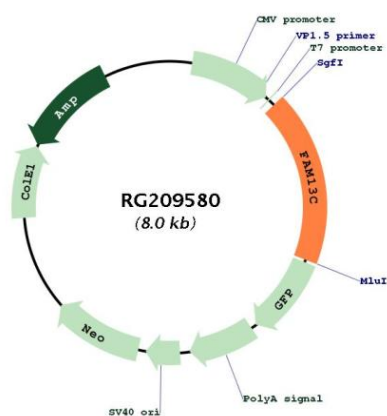
RefSeq ORF: 1464 bp

Locus ID: 220965

UniProt ID: [Q8NE31](#)

Cytogenetics: 10q21.1

Product images:



Circular map for RG209580