

Product datasheet for **RG208459**

RETREG3 (NM_178126) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | RETREG3 (NM_178126) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | RETREG3 |
| Synonyms: | FAM134C |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG208459 representing NM_178126
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGGCCGAAGGGTTCCACGACCCAGGCCGGCTTCGGGGTCGACTTTCAGGGGCCCGGAG
 ATGTGTACAGGCTCTGGAGCGGGACCAGCAGTTGAGGCGGCGCAGCGGCCCTGGTGGAGGTGCTGGG
 GCCTTACGAGCCTCTGCTGAGTCGGGTGCAGGCAGCCCTGGTGTGGGAGCGGCCAGCTAGGAGCGCTCTG
 TGGTGCCTGGGGCTGAACGCGGCTTTCTGGTTTTTGGCCTGACATCTCTTCGTCTTGTGTTTTACTTG
 CATTTGGCTTGATGATCATTGTGTGATTGATCAATGGAAGAACAAAATCTGGCCTGAAATAAAAGTGCC
 AAGACCCGACGCATTAGACAATGAGAGCTGGGGCTTTGTGACCCCTCGGTTGCTCAGCGTGCCCGAGCTC
 TGCCACCATGTAGCTGAAGTCTGGGTAGTGGGACCATTTTCATAAGGAATGTTTTGCTTTTCAAAAAGC
 AAAACCCAGGCAAGTTCTGCTTGTGAGCTGTGGGATACTGACCTTTTGGCTGTCTGGGCCGCTACGT
 CCCTGGGCTTCTGCTGTCTACTTGTGCTTGTCACTGTCACTGATGTGGCCCTTGTGTGTACCACCGA
 CTGTGGGATCGAGCATATGTGCGGCTGAAGCCAGCTCTGCAGCGGCTAGACTTCAGTGTCCGTGGCTACA
 TGATGTCCAAGCAGAGAGAGACAATTACGCCGAGAGCTCTCCACCCAGAACGAGCCATGGACAACCA
 CAGTGACAGCGAAGAGGAGCTTGTGCCTTCTGTCTCAGCTGGACGATTCTACTGTTGCCAGGGAATTG
 GCCATCACAGACTCTGAGCACTCAGACGCTGAAGTCTCCTGTACAGACAATGGCATTCAATCTTTCAA
 GGGGCCAAACACCTCTAACGGAAGGCTCTGAAGACCTAGATGGTACAGTGATCCAGAGGAATCCTTTGC
 CAGAGACCTTCCAGACTCCCTTCCATTAATATGGATCCTGCTGGCCTGGATGATGAGGACGACTAGC
 ATTGCCATGCCAGCTTGATGTACCGTTCTCCGCCAGGGGCTGAGGAGCCCCAGGCCACCTGCCAGCC
 GGGACGAGGCTGCGCTGCCGGAGCTCCTGCTTGGTGTCTTCTGTAGGATCCAACCTCACCAGCAACT
 TGCCAGCCTGGTCTCCAGGGTATGATTACAGTGGCCTTGTGAGGGCCCTCCAACCAGGCCCTTCTGGA
 GCACCTGCCAGAGACAACGAGAGGCTTCTCCGGTCCCCAGTTCAGACCTGGACACTGATGCTGAGG
 GGGATGACTTTGAACTTCTGGACCAGTCGGAGCTGAGTCAGCTGGACCCTGCCAGTTCTAGGAGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208459 representing NM_178126
 Red=Cloning site Green=Tags(s)

MAEAEVPTTPGPASGSTFRGRRDVSGSWERDQQVEAAQRALVEVLGPYEPLL SRVQAAL VWERPARSAL
 WCLGLNAAFVFFALTSRLVFLLAFLMIIVCIDQWKNKIWPEIKVPRPDALDNESWGFVHPRLLSVPEL
 CHHVAEVVWVSGTIFIRNVLLFKKQNPQKFCLLSCGILTF LAVLGRYVPGLLL SYLMLVTVMWPLAVYHR
 LWDRAYVRLKPALQRLDFSVRGYMMSKQRERQLRRRALHPERAMDNHSDSEEELAAFCPQLDDSTVAREL
 AITDSEHSDAEVSCTDNGTFNL SRGQTPLTEGSEDLDGHS DP EESFARDLPDFPSINMDPAGLDDEDSTS
 IGMPSLMYRSPPGAEEPQAPPASRDEAALPELLLGALPVGSNLTSNLASLVSQGMIQLALSGASQPGPSG
 APAQRATRGRFLRSPSSDLDTDAEGDDFELLDQSELSQLDPASSRSH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178126

ORF Size: 1398 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_178126.4](#)

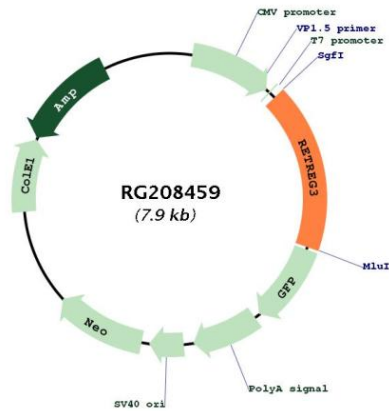
RefSeq Size: 3779 bp

RefSeq ORF: 1401 bp

Locus ID: 162427

UniProt ID: [Q86VR2](#)
 Cytogenetics: 17q21.2
 Protein Families: Transmembrane
 Gene Summary: Mediates NRF1-enhanced neurite outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208459