

Product datasheet for **RG231150**

FAIM3 (FCMR) (NM_001193338) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAIM3 (FCMR) (NM_001193338) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FCMR
Synonyms: FAIM3; TOSO
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231150 representing NM_001193338
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTCTGGCTTTGGCCACTTTACTTCCTGCCAGTATCGGGGCCCTGAGGATCCTCCAGAAGTAA
 AGGTAGAGGGGGAGCTGGGCGGATCAGTTACCATCAAGTGCCACTTCCTGAAATGCATGTGAGGATATA
 TCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCA
 GAATACAAGGGCCGAGTTACTCTGAAGCAATACCCACGCAAGAATCTGTTCTAGTGAGGTAACACAGC
 TGACAGAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGGCATGAACACAGACCGGGAAAGACCCAGAA
 AGTCACCCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA
 TGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTAACCAGAGTTA
 CCACACCAGCTCAAAGGGGCAAGGTCCTCCAGTTCACCACTCCTCCCCACCACCCAAATCACCCACCG
 CCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAGCCCCGAACCTTCCTGCCATCCACTACAGCC
 TCAAAAATCTCAGCTCTGGAGGGGTGCTCAAGCCCCAGACGCCAGCTACAACCACCACACAGGCTGC
 ACAGGCAGAGCCCTCTCCAGGCGGGCCCGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTCCCAGA
 GGCCCCGCGGGTTCGCGCGACCGCGCTCCAAAACAACATCTACAGCGCCTGCCCGCGCGCGCTCGTGG
 AGCGGACGCTGCAGGCACAGGGGAGCCCCGTTCCCGCCCCGAGCGCCGTTGCCCGCGCCCCGCTG
 CAGGTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231150 representing NM_001193338
 Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGTVVSTTNFIKA
 EYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTLVNHSEYEPSWEEQMPETPK
 WFHLPYLFQMPAYASSSKFVTRVTPAQRGKVPVHSSPTTQITHRPRVSRASSVAGDKPRTFLPSTTA
 SKISALEGLLKPQTPSYNHHTRLHRQSPQLQAGPPTGREDARPGELPEAPRVAATALPKQHLQRLPAARSW
 SGRCRHRGGPRSRPRSAVAPRPAAGV

TRTRPLE - GFP Tag - V

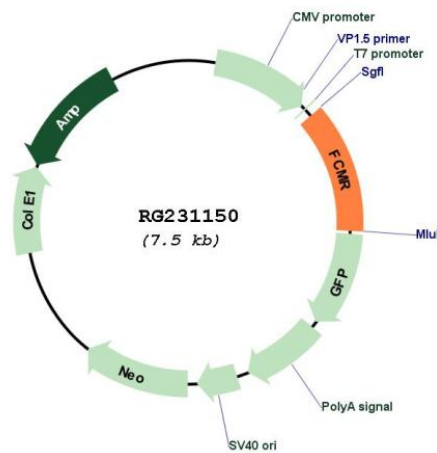
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001193338

ORF Size: 918 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:	<ol style="list-style-type: none">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_001193338.2
RefSeq Size:	2835 bp
RefSeq ORF:	921 bp
Locus ID:	9214
UniProt ID:	O60667
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Fc receptors specifically bind to the Fc region of immunoglobulins (Igs) to mediate the unique functions of each Ig class. FAIM3 encodes an Fc receptor for IgM (see MIM 147020) (Kubagawa et al., 2009 [PubMed 19858324]; Shima et al., 2010 [PubMed 20042454]).[supplied by OMIM, Jul 2010]