

## Product datasheet for **RG202905**

### FAIM3 (FCMR) (NM\_005449) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAIM3 (FCMR) (NM_005449) 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:	>RG202905 representing NM_005449 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCAGTATCGGGGCCCTGAGGATCCTCCAGAAGTAA  
AGGTAGAGGGGAGCTGGGCGGATCAGTTACCATCAAGTGCCACTTCTGAAATGCATGTGAGGATATA  
TCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCA  
GAATAAAGGGCCGAGTTACTCTGAAGCAATACCACGCAAGAATCTGTTCTAGTGAGGTAACACAGC  
TGACAGAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGGCATGAACACAGACCGGGAAAGACCCAGAA  
AGTCACCCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA  
TGGTTTCACTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTAACCAGAGTTA  
CCACACCAGCTCAAAGGGGCAAGGTCCTCCAGTTCACCACTCCTCCCCACCACCCAAATCACCCACCG  
CCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAGCCCGAACCTTCTGCCATCCACTACAGCC  
TCAAAAATCTCAGCTCTGGAGGGCTGCTCAAGCCCCAGACGCCAGCTACAACCACCACCCAGGCTGC  
ACAGGCAGAGAGCACTGGACTATGGCTCACAGTCTGGGAGGGAAGGCCAAGGATTCACATCCTGATCCC  
GACCATCTGGGCCTTTTCTCTGGCACTTCTGGGCTGGTGGTAAAAGGGCCGTTGAAAGGAGGAAA  
GCCCTCTCCAGGCGGGCCCGGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTCCAGAGGCCCGCGC  
GGTCGCCGACCGCGCTCCAAAACAACATCTACAGCGCTGCCCGCGCGCGCTCGTGGAGCGGACGC  
TGACAGGCACAGGGGAGGCCCCGTTCCCGGCCCGGAGCGCCGTTGCCCCCGCCCGCTGCAGGTGTCT  
GAATCTCCCTGGCTCCATGCCCATCTCTGAAGACCAGCTGTGAATACGTGAGCCTTACCACCAGCCTG  
CCGCCATGATGGAGGACAGTGATTCAGATGACTACATCAATGTTCTCTGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202905 representing NM\_005449  
 Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGTVVSTTNFIKA  
 EYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTLNHVSEYEPSWEEQMPETPK  
 WFHLPYLFQMPAYASSKFFVTRVTPAQRGKVPVHHSSPTTQI THRPRVSRASSVAGDKPRTFLPSTTA  
 SKISALEGLLKPQTPSYNHHTRLHRQRALDYGSQSGREGQGFHIL IPTILGLFLLALLGLVVKRAVERRK  
 ALSRRARRLAVRMRALESSQRPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGGAPLPPAPLQVS  
 ESPWLHAPSLKTSCEYVSLYHQPAAMMEDSDSDDYINVPA

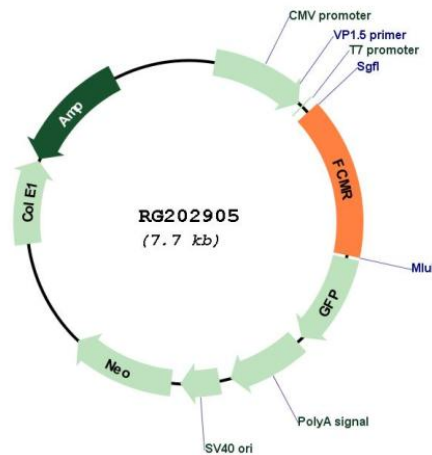
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_005449

<b>ORF Size:</b>	1170 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005449.5</a>
<b>RefSeq Size:</b>	1968 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	9214
<b>UniProt ID:</b>	<a href="#">O60667</a>
<b>Cytogenetics:</b>	1q32.1
<b>Domains:</b>	ig, IG
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	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]