

## Product datasheet for **RC229138**

### FCAMR (NM\_032029) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FCAMR (NM_032029) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FCAMR
Synonyms:	CD351; FCA/MR; FKSG87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229138 representing NM_032029 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGAGAGGCCACAGTGAAGCCTGGAGAACAAAAGGAAGTGGTGAGGAGAGGAAGAGAAGTGGACT  
ACTCCAGGCTCATTGCTGGCACTTACCACAATCTCACGTCACCAGCAGGAGGGCGGGATGGAAAATGCC  
CCTTTCCTCATACTGTGCCTGTACAAGTTCCTTTCGCCCTTCCACAAAAAGACCCCATCCGAGA  
TGGCTGTGGGAGGCTCTCTCCCTCCAGGACCATCTCCGGCCATGGGAACACTCAGGCCTTCCTCGC  
CCCTCTGCTGGCGGAGGAGAGCTCCTTTCAGCTCCAAATTCATTGAAGGGCTCAAGGCTGGTGTGAGG  
GGAGCCTGGAGGAGCTGTCAACATCCAGTGCATTATGCCCTCATCTGTCAACAGGCACCAGAGGAAG  
TACTGGTCCCGTCTGGGGCCCCAAGATGGATCTGCCAGACCATTTGTGTCCACCAACCAAGTATACTCACC  
ATCGCTATCGTGACCGTGTGGCCCTCACAGACTTCCACAGAGAGGCTTGTGTTGGTGGAGGCTGTCCCA  
ACTGTCCCGGATGACATCGGATGCTACCTCTGCGCATTTGGAAGTGAAAACAACATGCTGTTCTTAAGC  
ATGAATCTGACCATCTCTGCAGTACTTTCCAGAAGATGAAAGCAGCTCTCGGACCCTGGCTCCTGTCTC  
TACCATGCTGGCCCTGTTATGCTTATGGCTCTGGTCTATTGCAAAGGAAGCTCTGGAGAAGGAGGACC  
TCTCAGGAGGCAGAAAGGTCACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229138 representing NM\_032029  
Red=Cloning site Green=Tags(s)

MDGEATVKPGEQKEVVRGREGVDYSRLIAGTLPQSHVTSRRAGWKMPFLILCLLQGSSFALPQKRPHPR  
 WLWEGSLPSRTHLRAMGTLRPSSPLCWREESSFAAPNSLKGSRVSGEPGGAVTIQCHYAPSSVNRHQRK  
 YWCRLGPPRWICQTIIVSTNQYTHHRYRDRVALTDFPQRGLFVVRLSQLSPDDIGCYLCGIGSENMLFLS  
 MNLTISAVLFQKMKAAALGPWLLSLPCWPCLCLWLWFYCKGSSGEGGPLRRQKQKSP

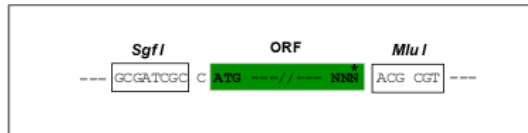
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1260\\_d09.zip](https://cdn.origene.com/chromatograms/ja1260_d09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_032029

**ORF Size:** 795 bp

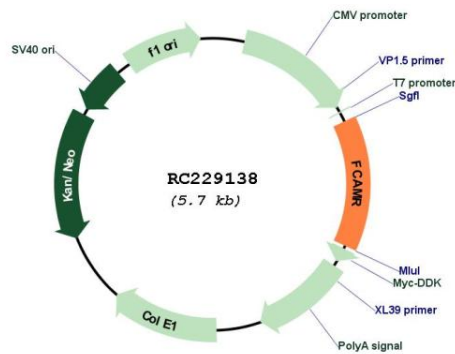
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<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>	<u>NM_032029.4, NP_114418.2</u>
<b>RefSeq Size:</b>	1981 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	83953
<b>UniProt ID:</b>	<u>Q8WWV6</u>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	29.9 kDa
<b>Gene Summary:</b>	Functions as a receptor for the Fc fragment of IgA and IgM. Binds IgA and IgM with high affinity and mediates their endocytosis. May function in the immune response to microbes mediated by IgA and IgM.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC229138