

## Product datasheet for **MR218103**

### **Fcamr (NM\_001170632) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fcamr (NM_001170632) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fcamr
Synonyms:	MGC129330; MGC129331
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218103 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACCAAGGTGCCCCAGCTAAGCCAGTGAACAAAAGCACCTCACTTGCCAGGACACGCAGTTCCCTG  
 GCCCTGCCTTTCGGGTAGAGCTACCCAGCTACTGGAGCAAAGTGAATGCACAGCCAGAGTGCCGAGCC  
 CTGGACTCCCAGCACTCTCTTCACTTCTCACAAAGCCTCCCTCTGGCCTCTTGTCTTTGGCTGCAGGTC  
 CCCAGCCTGAGAACGAGATGGGAAATACTTCTCACACTCTGTCTGCTCCATGGTTCCATCCATGACCC  
 CTCCACACAGAGGGTCCCATTCCAGATGGCTGCAGGCTGGCTCTCCTCAGTTCAGGACCCATCTCTACAC  
 TGTGGAAGCACACACAGCTCCCACACCCCTTGTCTGCTGGAAGAACTCCCTTTCAGGTACAAATGCATTG  
 AGAGGCCCGGGCTGGTACTGGAAACTGGGGAGCTGTCACCATCCATTGCCATTACGCCCCCTCT  
 CAGTCAACAGGCATCAAAGAAAATACTGGTGCCGCTGGGGTCTCCATTGGATCTGTCACACCCGTCGT  
 GTCACCAACCAATACACTCACCTGACTACCGTGGGCGCGGGCTCTCACTGACGTTCCACAGAGCGGT  
 TTGTTTGTGGTGAAGGCTGCTCCGACTGTCCCTGGGTGACGTGGGACTTTACCGCTGTGGCATAGGAGACC  
 GAAACGACATGCTGTTCTCAGCGTGAATCTGACTGTGTCTGCAGGTCCATCCAACACCACCTATGCAGC  
 AGCACCAGCTTCCAGTGAGCCACCACAGCATCTCCTGGAGCAGCATCCTCAGCAGGCAACGGATGGACC  
 TCAGGCGTCACCCAGATCCTAGAAGGCTCAGGCTCAGAAATGGGACAGAACAGCTCCAACACAGGTACCA  
 GCAAACTACATCTTCAGCCAATGGAAGACAACTTAAGAACAGCCAGGACAGTGGTTCTGGGGACAGG  
 CAGCAGAGAGGAGGGCTATCAGGGCAGCAGTCCCCTCCAGAGGGTCCATCTCCAAAATCAAGAAGC  
 ATGTCCAGCACAAACAGGGTGTGGCTGTGGAGCACCAGGAAGTCAACACCCAGTGTACACAGCA  
 GTGAAGGAAGGAGGCAAGGTACAACCCAGAGACTGATGGGCCACGAGATGAAACAGCATGAGGTTGTC  
 TCCAGAAGCACCCAGGAAGACCACAGGAACACGAGGCCATCGGCCCTGATCTCAGAACATGTGACCTGG  
 GAAACTCTCAAGACAAAACAGAGGTGTCTAAGCAAAATGCTGCACTCCCTGGAGGATTATCACAG  
 CTCCAAGTGCACAGACCTTAAATGCTACCTGTTTGAAGTGGCATCCGAGGAAGGAAGGAGCATTGATGG  
 GAGTCTTGAAAACACTACAGAAGAAAGCAGCCCCCAACACCAAGCCAGCTTTCAGTAGCAGGCCCTGTG  
 TGGGTTTCTGTCAAGGGGCCATCCATGAAGAGTCTCTGATGGAAGGAGAAAGCCACACTCGGATCTGA  
 CTCCAGTCTCACTGTGCTGGCCCTGCTCTAATTGCTGCTCTGATCCTATTGAAAAGGAGCCTTGGCAG  
 ACAGAGGACATCTCAGAAGAAAGAAAGGTACCCAGGATCACTTAATTCAGATGACACATTTCTACCA  
 GATAAGCTCCCTGATGAGGAAAGAACTTCAACAGAGTGACCTTCTTCTCCCAAGCCAGCCTGACCG  
 TCCTGGAGAATGACCCAAGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218103 protein sequence  
 Red=Cloning site Green=Tags(s)

MDQGAPAKPSEQKHLTCQDTQFPGPAFRVELPSYWSKLRMHSQSAEPWTPDHSLLQSLPLASCLWLQV  
 PSLRTRWEILLTLLHGSMTPPHRGSHRWLQAGSPQFRTHLYTVEAHTAPTPLCCWKNLSLGTNAL  
 RGPRLVTGNTGGAVTIHCHYAPSSVNRHQRYWCRLGSPWICHTVVSTNQYTHPDYRGRAALTDVPQSG  
 LFVVRLRLSLGDVGLYRCGIGDRNDMLFFSVNLTVSAGPSNTTYAAAPASSEPTTASPGAASSAGNGWT  
 SGVTQILEGSGSEWDRTAPTTGTSKTTSSANGRQTLRTARTVVLGTGSREEGSIRAAVPTPEGSPKSR  
 MSSTTQGVWLWSTRNSVTPSVTTSEGRRQGTTPETDGRDETDRVVSPEAPRKTGTTRPSALISEHVTW  
 ETLQDKTEVSKQMLHLSLEELSPAPSAQTLNATCLEVASEEGRSIDGSLNTEESSPPTPSQLSVAGPV  
 WYSVKGSPMSKALMEGESHTRILTPVSTVLALLLIALILLKRSRGRQRTSQKKERVPRITLIQMTHFLP  
 DKLPDEGKNFQSDLLPPQASLTVLENDPRP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001170632

**ORF Size:** 1776 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\\_001170632.1](#), [NP\\_001164103.1](#)

**RefSeq Size:** 1911 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 64435

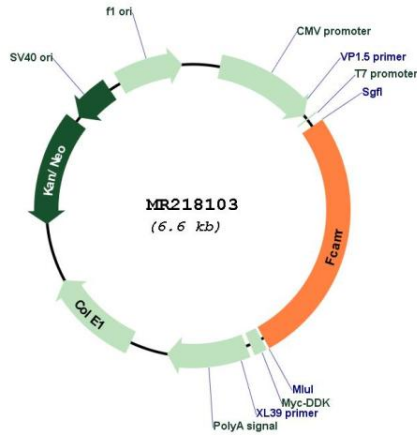
**UniProt ID:** [Q2TB54](#)

**Cytogenetics:** 1 E4

**MW:** 64.1 kDa

**Gene Summary:** 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 MR218103