

Product datasheet for **MR216493**

Fcamr (NM_144960) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcamr (NM_144960) 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:

>MR216493 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAAGGTGCCCCAGCTAAGCCCAGTGAACAAAAGTCCCCAGCCTGAGAACGAGATGGGAAATAC
 TTCTTCTCACACTCTGTCTGCTCCATGGTTCATCCATGACCCCTCCACACAGAAGGTCACATTCCAGATG
 GCTGCAGGCTGGCTCTCCTCAGTTCAGGACCCATCTCTACAATGTGGAAGCACACACAGCTCCCACGCC
 CTTTGCTGCTGGAAGAACTCCCTTTCAGGTACAAATGCATTGAGAGGCCCGCGACTGGTACTGGGAACA
 CTGGGGGAGCTGTACCATTCCATTGCCATTACGCCCTCCTCAGTCAACAGGCATCAAAGAAAATACTG
 GTGCCGCTGGGTCTCCATTGTGGATCTGTCACTGTCGTGTCCACCAACCAATACACTACCCTGAC
 TACCGTGGGCGCGCGCTCTCACTGACATTCCACAGAGCGGTTTGTGTTGGTGGGCTGCTCCGACTGT
 CCCTGGGTGACGTGGGACTTTACCGCTGTGGCATAGGAGACCGAAACGACATGCTATTCTCAGCGTGAA
 TCTGACTGTGCTGCAGGTCCATCCAACACCACCTATGCAGCAGCACCAGCTTCCGGTGAGCCACCACA
 GCATCTCCTGGAGCAGCATCCTCAGCAGGCAACGGATGGACCTCAGGCATCACCCAGATCCTAGAAGGCT
 CAGGCTCAGAATGGGACAGAACAGTTCCAACCACAGGTACCAGCAAAACTACATCTTCAGCCAATGGAAG
 ACAAACCTTAAGAACAGCCAGGACAATGGTTCGGGGACAGGCAGCAGAGAGGAGGGCTCTATCAGGGCA
 GCAGTCCCCTCCAGAGGGTCCGTCTCCAAAATCAAGAAGCATGTCCAGCACACACAGGGTGTGTTGGC
 TGTGGAGCACCAGGAAGTCAAGTAAACCCAGTGTACCACAGTGAAGGAAGGAGGCAAGGCACAACCCC
 AGAGACTGATGGGCCACGAGATGAAACAGACGTGAGGGTGTCTCCAGAAGCACCCAGGAAGACCACAGGA
 ACCACGAGGCCATCGGCCCTGATCTCAGAACATGTGACCTGGGAAACTCCAAGACAAAACAGAGGTGT
 CTAAGCAACAAATGCTGCACTCCCTGGAGGATTATCACCAGCTCCAAGTGCACAGACCTTAAATGCTAC
 CTGTTTGGAAAGTGGCATCCGAGGAAGGAAGGAGCATTGATGGGAGTCTTGAACACTACAGAAGAAAGC
 AGCCCCCAACACCAAGCCAGCTTTCAGTAGCAGGCCCTGTGTGGTCTGTCAAGGGCCATCCATGA
 AGAGTGTCTGATGGAAGGAGAAAGCCACACTCGGATCCTGACTCCAGTCTCCACTGTGCTGGCCCTGCT
 TCTAATTGCTGCTGATCCTATTGAAAAGGAGCCTTGGCAGACAGAGGACATCTCAGATAAAAGAAAGG
 GTACCCAGGATCACTCTAATTCAGATGACACATTTCTACCAGATAAGCTCCCTGATGAGGGAAAGAACT
 TTCAACAGAGTAACCTTCTCTCCCAAGCCAGCCTGACCGTCTGGAGATGACCAAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216493 protein sequence
 Red=Cloning site Green=Tags(s)

MDQGAPAKPSEQKVPSLRTRWEILLTLCLLHGSSMTPPHRRSHSRWLQAGSPQFRTHLYNVEAHTAPTP
 LCCWKNSLSGTNALRGPRLVTGNTGGAVTIHCHYAPSSVNRHQRYWCRLGSPLWICHTVVSTNQYTHPD
 YRGRAALTDIPQSGLFVVRLLRLSLGDVGLYRCGIGDRNDMLFFSVNLTVSAGPSNNTTYAAPASGEPTT
 ASPGAASSAGNGWTSGITQILEGSGSEWDRTPPTTGTSTSSANGRQTLRTARTMVPGTGSREEGSIRA
 AVPTPEGSPKSRMSSTTQGVWLWSTRNSVTPSVTTSEGRRQGTTPETDGPREDVVRVSPAPRKTG
 TTRPSALISEHVTWETLQDKTEVSKQQLHSLEELSPAPSAQTLNATCLEVASEEGRSIDGSLNTEES
 SPPTPSQLSVAGPVWVSVKGPSMKSMALMEGESHTRILTPVSTVLALLLIALILLKRSRGRQRTSQIKER
 VPRITLIQMTFLPKLPDEGKNFQQSNLLPPQASLTVLENDPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144960

ORF Size: 1608 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_144960.2](#), [NP_659209.2](#)

RefSeq Size: 1743 bp

RefSeq ORF: 1608 bp

Locus ID: 64435

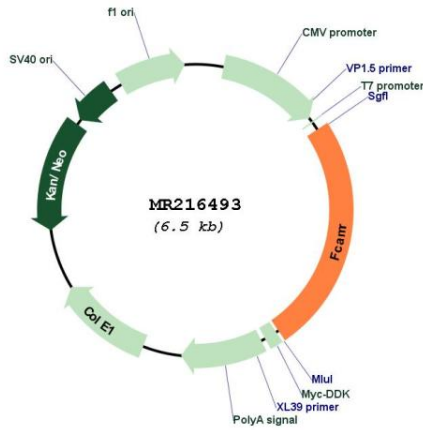
UniProt ID: [Q2TB54](#)

Cytogenetics: 1 E4

MW: 57.8 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 MR216493