

Product datasheet for **MG216493**

Fcamr (NM_144960) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcamr (NM_144960) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fcamr
Synonyms:	MGC129330; MGC129331
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216493 representing NM_144960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAAGGTGCCCCAGCTAAGCCCAGTGAACAAAAGTCCCCAGCCTGAGAACGAGATGGGAAATAC
 TTCTTCTCACACTCTGTCTGCTCCATGGTTCATCCATGACCCCTCCACACAGAAGGTCACATTCCAGATG
 GCTGCAGGCTGGCTCTCCTCAGTTCAGGACCCATCTCTACAATGTGGAAGCACACACAGCTCCCACGCC
 CTTTGCTGCTGGAAGAACTCCCTTTCAGGTACAAATGCATTGAGAGGCCCGCGACTGGTACTGGGAACA
 CTGGGGGAGCTGTACCATCCATTGCCATTACGCCCTCCTCAGTCAACAGGCATCAAAGAAAATACTG
 GTGCCGCTGGGTCTCCATTGTGGATCTGTCACTGTCGTGCCACCAACCAATACACTACCCTGAC
 TACCGTGGGCGCGCGCTCTCACTGACATTCCACAGAGCGGTTTGTGTTGGTGGGCTGCTCCGACTGT
 CCCTGGGTGACGTGGGACTTTACCGCTGTGGCATAGGAGACCGAAACGACATGCTATTCTCAGCGTGAA
 TCTGACTGTGCTGCAGGTCCATCCAACACCACCTATGCAGCAGCACCAGCTTCCGGTGAGCCACCACA
 GCATCTCCTGGAGCAGCATCCTCAGCAGGCAACGGATGGACCTCAGGCATCACCCAGATCCTAGAAGGCT
 CAGGCTCAGAATGGGACAGAACAGTTCCAACCACAGGTACCAGCAAACTACATCTTCAGCCAATGGAAG
 ACAAACCTTAAGAACAGCCAGGACAATGGTTCGGGGACAGGCAGCAGAGAGGAGGGCTCTATCAGGGCA
 GCAGTCCCCTCCAGAGGGTCCGTCTCCAAAATCAAGAAGCATGTCCAGCACAACACAGGGTGTGGC
 TGTGGAGCACCAGGAAGTCACTAACACCCAGTGTACCACAGTGAAGGAAGGAGGCAAGGCACAACCCC
 AGAGACTGATGGCCACGAGATGAAACAGACGTGAGGGTGTCTCCAGAAGCACCCAGGAAGACCACAGGA
 ACCACGAGGCCATCGGCCCTGATCTCAGAACATGTGACCTGGGAACTCTCCAAGACAAAACAGAGGTGT
 CTAAGCAACAAATGCTGCACCTCCCTGGAGGAGTTATCACCAGCTCCAAGTGCACAGACCTAAATGCTAC
 CTGTTTGGAAAGTGGCATCCGAGGAAGGAAGGAGCATTGATGGGAGTCTTGAACAACTACAGAAGAAAGC
 AGCCCCCAACCAAGCCAGCTTTCAGTAGCAGGCCCTGTGTGGTCTGTAAGGGCCATCCATGA
 AGAGTGTCTGATGGAAGGAGAAAGCCACACTCGGATCCTGACTCCAGTCTCCACTGTGCTGGCCCTGCT
 TCTAATTGCTGCTGATCCTATTGAAAAGGAGCCTTGGCAGACAGAGGACATCTCAGATAAAAAGAAAGG
 GTACCCAGGATCACTCTAATTCAGATGACACATTTCTACCAGATAAGCTCCCTGATGAGGGAAAGAACT
 TTCAACAGAGTAACCTTCTCCTCCCAAGCCAGCCTGACCGTCTGGAGAATGACCCAAGACCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216493 representing NM_144960
 Red=Cloning site Green=Tags(s)

MDQGAPAKPSEQKVPRLRTRWEILLTLCLLHGSSMTPPHRRSHSRWLQAGSPQFRTHLYNVEAHTAPTP
 LCCWKNSLSGTNALRGPRLVTGNTGGAVTIHCHYAPSSVNRHQKRYWCRLGSPLWICHTVVSTNQYTHPD
 YRGRAALTDIPQSGLFVVRLRLSLGDVGLYRCGIGDRNDMLFFSVNLTVSAGPSNTTYAAAPASGEPTT
 ASPGAASSAGNGWTSGITQILEGSGSEWDRTVPTTGTSTKTTSSANRQTLRTARTMVPGTGSREEGSIRA
 AVPTPEGPSPKSRMSSTTQGVWLWSTRNSVTPSVTTSEGRRQGTTPETDGPREDTDRVVSPEAPRKTG
 TTRPSALISEHVTWETLQDKTEVSKQQLHSLEELSPAPSAQTLNATCLEVASEEGRSIDGSLNTEES
 SPPTPSQLSVAGPVWVSVKGPSMKALMEGESHTRILTPVSTVLALLLIAALILLKRSRGRQRTSQUIKER
 VPRITLIQMTFLPKLPDEGKNFQQSNLLPPQASLTVLENDPRP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_144960
ORF Size:	1605 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_144960.2 , NP_659209.2
RefSeq Size:	1743 bp
RefSeq ORF:	1608 bp
Locus ID:	64435
UniProt ID:	Q2TB54
Cytogenetics:	1 E4
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]