

Product datasheet for **MG218103**

Fcamr (NM_001170632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcamr (NM_001170632) 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:

>MG218103 representing NM_001170632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAAGGTGCCCCAGCTAAGCCAGTGAACAAAAGCACCTCACTTGCCAGGACACGCAGTTCCCTG
 GCCCTGCCTTTCGGGTAGAGCTACCCAGCTACTGGAGCAAAGTGAAGTGCACAGCCAGAGTGCCGAGCC
 CTGGACTCCCAGCACTCTCTTCACTTCTCACAAAGCCTCCCTCTGGCCTCTTGTCTTGGCTGCAGGTC
 CCCAGCCTGAGAACGAGATGGGAAATACTTCTCACACTCTGTCTGCTCCATGGTTCCATCCATGACCC
 CTCCACACAGAGGGTCCCATTCCAGATGGCTGCAGGCTGGCTCTCCTCAGTTCAGGACCCATCTCTACAC
 TGTGGAAGCACACACAGCTCCCACACCCCTTGTCTGCTGGAAGAACTCCCTTTCAGGTACAAATGCATTG
 AGAGGCCCGGGCTGGTACTGGGAACACTGGGGAGCTGTCACCATCCATTGCCATTACGCCCCCTCT
 CAGTCAACAGGCATCAAAGAAAACTGGTGCCGCTGGGGTCTCCATTGGATCTGTCACACCCGTCGT
 GTCACCAACCAATACACTCACCTGACTACCGTGGGCGCGGGCTCTCACTGACGTTCCACAGAGCGGT
 TTGTTTGTGGTGAAGGCTGCTCCGACTGTCCCTGGGTGACGTGGGACTTTACCGCTGTGGCATAGGAGACC
 GAAACGACATGCTGTTCTCAGCGTGAATCTGACTGTGTCTGCAGGTCCATCCAACACCACCTATGCAGC
 AGCACCAGCTTCCAGTGAGCCACCACAGCATCTCCTGGAGCAGCATCCTCAGCAGGCAACGGATGGACC
 TCAGGCGTCACCCAGATCCTAGAAGGCTCAGGCTCAGAATGGGACAGAACAGCTCCAACACAGGTACCA
 GCAAACTACATCTTCAGCCAATGGAAGACAACTTAAGAACAGCCAGGACAGTGGTTCTGGGGACAGG
 CAGCAGAGAGGAGGGCTATCAGGGCAGCAGTCCCCTCCAGAGGGTCCATCTCAAAATCAAGAAGC
 ATGTCCAGCACAAACAGGGTGTGGCTGTGGAGCACCAGGAAGTCAACACCCAGTGTACACGTA
 GTGAAGGAAGGAGGCAAGGTACAACCCAGAGACTGATGGGCCACGAGATGAAACACAGCTCAGGGTGT
 TCCAGAAGCACCCAGGAAGACCACAGGAACACGAGGCCATCGGCCCTGATCTCAGAACATGTGACCTGG
 GAAACTCTCAAGACAAAACAGAGGTGTCTAAGCAAAATGCTGCACTCCCTGGAGGATTATCACAG
 CTCCAAGTGCACAGACCTTAAATGCTACCTGTTTGAAGTGGCATCCGAGGAAGGAAGGAGCATTGATGG
 GAGTCTTGAAAACACTACAGAAGAAAGCAGCCCCCAACCAAGCCAGCTTTCAGTAGCAGGCCCTGTG
 TGGGTTTCTGTCAAGGGGCCATCCATGAAGAGTCTGTGATGGAAGGAGAAAGCCACACTCGGATCTGA
 CTCCAGTCTCCACTGTGCTGGCCCTGCTTCTAATTGCTGCTGTGATCCTATTGAAAAGGAGCCTTGGCAG
 ACAGAGGACATCTCAGAAGAAAGAAAGGTACCCAGGATCACTTAATTCAGATGACACATTTCTACCA
 GATAAGCTCCCTGATGAGGGAAAGAACTTCAACAGAGTGACCTTCTTCTCCCAAGCCAGCCTGACCG
 TCCTGGAGAATGACCCAAGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218103 representing NM_001170632
 Red=Cloning site Green=Tags(s)

MDQGAPAKPSEQKHLTCQDTQFPGPAFRVELPSYWSKLRMHSQSAEPWTPDHSLQLLTSPLASCLWLQV
 PSLRTRWEIILLTLCLLHGSSMTPPHRGSHRWLQAGSPQFRTHLYTVEAHTAPTPLCCWKNLSGNTAL
 RGPRLVTGNTGGAVTIHCHYAPSSVNRHQRYWCRLGSPLWICHTVVSTNQYTHPDYRGRAALTDVPQSG
 LFVVRLLRSLGDVGLYRCGIGDRNDMLFFSVNLTVSAGPSNTTYAAAPASSEPTTASPGAASSAGNGWT
 SGVTQILEGSGSEWDRTPATTGTSKTTSSANGRQTLRTARTVVLGTGSREEGSIRAAPVTPPEGSPKRSR
 MSSTTQGVWLWSTRNSVTPSVTTSEGRRQGTTPETDGRDETDRVVSPEAPRKTGTTRPSALISEHVTW
 ETLQDKTEVSKQQLHSLEELSPAPSAQTLNATCLEVASEEGRSIDGSLENTTEESSPPTPSQLSVAGPV
 WVSVKGSPMKSALMEGESHTRILTPVSTVLALLLIALILLKRSRGRQRTSQKKERVPRITLIQMTHFLP
 DKLPDEGKNFQQSDLLPPQASLTVLENDPRP

TRTRPLE - GFP Tag - V

Restriction Sites:

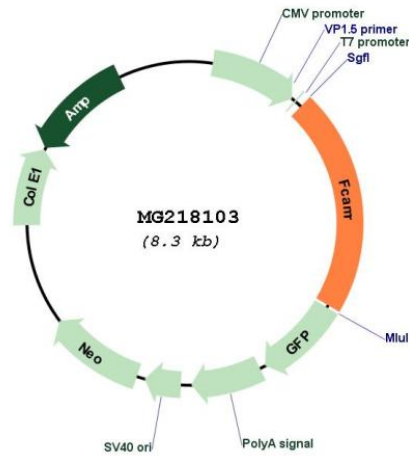
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001170632

ORF Size: 1773 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_001170632.1 , NP_001164103.1
RefSeq Size:	1911 bp
RefSeq ORF:	1776 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]