

Product datasheet for **RC225359**

FCAMR (NM_001122979) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FCAMR (NM_001122979) 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: >RC225359 representing NM_001122979
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGAGAGGCCACAGTGAAGCCTGGAGAACAAAAGGAAGTGGTGAGGAGAGGAAGAGAAGTGGACT
ACTCCAGGCTCATTGCTGGCACTTTACCACAATCTCACGTCACCAGCAGGAGGGCGGGATGGAAAATGCC
CCTTTCCTCATACTGTGCCTGTACAAGTTCCTTTTCGCCCTTCCACAAAAAGACCCCATCCGAGA
TGGCTGTGGGAGGCTCTCTCCCTCCAGGACCATCTCCGGCCATGGGAACACTCAGGCCTTCCTCGC
CCCTCTGCTGGCGGAGGAGAGCTCCTTTCAGCTCCAAATTCATTGAAGGGCTCAAGGCTGGTGTGAGG
GGAGCCTGGAGGAGCTGTACCATCCAGTGCCATTATGCCCCCTCATCTGTCAACAGGCACCAGAGGAAG
TACTGGTCCCGTCTGGGGCCCCAAGATGGATCTGCCAGACCATTTGTGTCCACCAACCAAGTATACTCACC
ATCGCTATCGTGACCGTGTGGCCCTCACAGACTTTCCACAGAGAGGCTTGTGTTGGTGAGGCTGTCCCA
ACTGTCCCGGATGACATCGGATGCTACCTCTGCGGCAATTGGAAGTGAAAACAACATGCTGTTCTTAAGC
ATGAATCTGACCATCTCTGCAGTACTTTCCAGAAGATGAAAGCAGCTCTCGGACCCTGGCTCCTGTCTC
TACCATGCTGGCCCTGTTATGCTTATGGCTCTGGTCTATTGCAAAGGAAGCTCTGGAGAAGGAGGACC
TCTCAGGAGGCAGAAAGGTCACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225359 representing NM_001122979
Red=Cloning site Green=Tags(s)

MDGEATVKPGEQKEVVRGREGVDYSRLIAGTLPQSHVTSRRAGWKMPFLILCLLQGSSFALPQKRPHPR
 WLWEGSLPSRTHLRAMGTLRPSSPLCWREESSFAAPNSLKGSRVSGEPGGAVTIQCHYAPSSVNRHQRK
 YWCRLGPPRWICQTIIVSTNQYTHHRYRDRVALTDFPQRGLFVVRLSQLSPDDIGCYLGGIGSENMLFLS
 MNLTISAVLFQKMKAAALGPWLLSLPCWPCLCLWLWFYCKGSSGEGGPLRRQKQKSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: 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_001122979

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).

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_001122979.3](#)

RefSeq ORF: 798 bp

Locus ID: 83953

UniProt ID: [Q8WWV6](#)

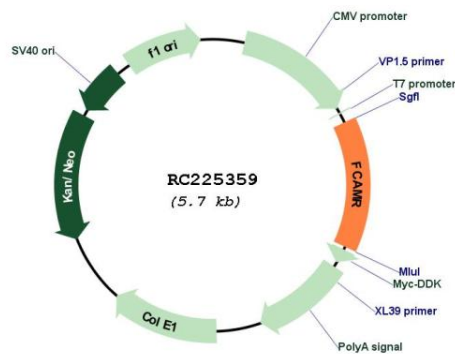
Cytogenetics: 1q32.1

Protein Families: Druggable Genome, Transmembrane

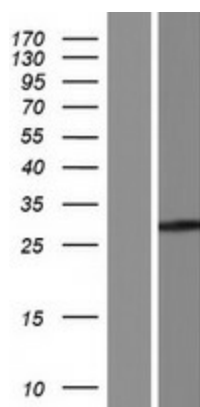
MW: 29.7 kDa

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 RC225359



Western blot validation of overexpression lysate (Cat# [LY426592]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225359 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).