

Product datasheet for **RG214534**

CD89 (FCAR) (NM_133274) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD89 (FCAR) (NM_133274) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FCAR
Synonyms: CD89; CTB-61M7.2; FcalphaRI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214534 representing NM_133274
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCAAACAGACCACCCTCCTGTGTCTTGGGGACTTTCCCATGCCTTTCATATCTGCCAAATCGA
GTCCTGTGATTCCTTGGATGGATCTGTGAAAATCCAGTGCCAGGCCATTCGTGAAGCTTACCTGACCCA
GCTGATGATCATAAAAACTCCACGTACCGAGAGATAGGCAGAAGACTGAAGTTTGAATGAGACTGAT
CCTGAGTTCGTCATTGACCACATGGACGCAACAAGGCAGGGCGCTATCAGTGCCAATATAGGATAGGGC
ACTACAGATTCGGTACAGTGACACCCTGGAGCTGGTAGTGACAGGCTTGTATGGCAAACCTTCTCTC
TGACAGATCGGGTCTGGTGTGATGCCAGGAGAGAATATTTCCCTCACGTGCAGCTCAGCACACATCCCA
TTTGATAGATTTTCACTGGCCAAGGAGGAGAAGTTTCTCTGCCACAGCACCAAAGTGGGGAACACCCGG
CCAACCTCTCTTTGGGTCTGTGGACCTCAATGTCTCAGGGATCTACAGACTCCATCCACCAAGATTACA
CGACGCAGAAGTTGATCCGCATGGCCGTGGCAGGACTGGTCTCTGGCTCTCTTGGCCATACTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214534 representing NM_133274
Red=Cloning site Green=Tags(s)

MDPKQTLLCLGDFPMPFISAKSSVPIPLDGSVKIQCAIREAYLTQLMIKNSTYREIGRRLKFWNETD
PEFVIDHMDANKAGRYQCQYRIGHYRFRYSDTLELVVTGLYGKPFLSADRGLVLMPGENISLTCSSAHIP
FDRFSLAKEGELSLPQHQSGEHPANFSLGPVDLNVSGIYRLHPPRLHDAELDPHGRGRTGPRGSLGHTG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_133274.2](#), [NP_579808.1](#)

RefSeq Size: 1561 bp

RefSeq ORF: 630 bp

Locus ID: 2204

UniProt ID: [P24071](#)

Cytogenetics: 19q13.42

Protein Families: Transmembrane

Gene Summary: This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]