

## Product datasheet for **RG214315**

### CD89 (FCAR) (NM\_133271) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD89 (FCAR) (NM\_133271) 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:** >RG214315 representing NM\_133271  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCCAAACAGACCACCCTCCTGTGTCTTGTGCTGTCTGGCCAGAGGATTCAGGCACAGGAAG  
 GGGACTTTCCCATGCCTTTCATATCTGCCAAATCGAGTCTGTGATTCCTTGGATGGATCTGTGAAAAT  
 CCAGTGCCAGGCCATTCGTGAAGCTTACCTGACCCAGCTGATGATCATAAAAACTCCACGTACCGAGAG  
 ATAGGCAGAAGACTGAAGTTTTGGAATGAGACTGATCCTGAGTTCGTATTGACCACATGGACGCAACA  
 AGGCAGGGCGCTATCAGTGCCAATATAGGATAGGGCACTACAGATTCCGGTACAGTGACACCCTGGAGCT  
 GGTAGTGACAGACTCCATCCACCAAGATTACACGACGCAGAACTTGATCCGCATGGCCGTGGCAGGACTG  
 GTCCCTCGTGGCTCTTTGGCCATACTGGTTGAAAATTGGCACAGCCATACGGCACTGAACAAGGAAGCCT  
 CGGCAGATGTGGCTGAACCGAGCTGGAGCCAACAGATGTGTCAGCCAGGATTGACCTTTCACGAACACC  
 AAGTGTCTGCAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG214315 representing NM\_133271  
 Red=Cloning site Green=Tags(s)

MDPKQTTLLCLVLCLGQRIQAQEGDFPMPFISAKSSPVIPLDGSVKIQQQAIREAYLTQLMIKKNSTYRE  
 IGRRLKFWNETDPEFVIDHMDANKAGRYQCQYRIGHYFRYSDTLELVVTDSDIHQDYTTQNLIRMAVAGL  
 VLVALLAILVENWHSHTALNKEASADVAEPSWSQMCQPGLTFARTPSVCK

**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\\_133271.2](#), [NP\\_579805.1](#)

**RefSeq Size:** 1383 bp

**RefSeq ORF:** 576 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]