

Product datasheet for **RG214356**

CD89 (FCAR) (NM_133273) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD89 (FCAR) (NM_133273) 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: >RG214356 representing NM_133273
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAAACAGACCACCCTCCTGTGTCTTGGGGACTTTCCCATGCCTTTCATATCTGCCAAATCGA
GTCCTGTGATTCCTTGGATGGATCTGTGAAAATCCAGTGCCAGGCCATTCGTGAAGCTTACCTGACCCA
GCTGATGATCATAAAAACTCCACGTACCGAGAGATAGGCAGAAGACTGAAGTTTGAATGAGACTGAT
CCTGAGTTCGTCATTGACCACATGGACGCAACAAGGCAGGGCGCTATCAGTGCCAATATAGGATAGGGC
ACTACAGATTCCGGTACAGTGACACCCTGGAGCTGGTAGTGACAGACTCCATCCACCAAGATTACACGAC
GCAGAACTTGATCCGCATGGCCGTGGCAGGACTGGTCTCGTGGCTCTCTTGCCATACTGGTTGAAAAT
TGGCACAGCCATACGGCACTGAACAAGGAAGCCTCGGCAGATGTGGCTGAACCGAGCTGGAGCCAACAGA
TGTGTCAGCCAGGATTGACCTTTGCACGAACACCAAGTGTCTGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214356 representing NM_133273
Red=Cloning site Green=Tags(s)

MDPKQTTLLCLGDFPMPFISAKSSPVIPLDGSVKIQCAIREAYLTQLMIKKNSTYREIGRRLKFWNETD
PEFVIDHMDANKAGRYQCQYRIGHYRFYSDTLELVVTDLSIHQDYTTQNLIRMAVAGLVLLALLAILVEN
WHSHTALNKEASADVAEPSWSQQMCQPGLTFARTPSVCK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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:	<u>NM_133273.2</u> , <u>NP_579807.1</u>
RefSeq Size:	1347 bp
RefSeq ORF:	540 bp
Locus ID:	2204
UniProt ID:	<u>P24071</u>
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]