

Product datasheet for **RG212950**

CD89 (FCAR) (NM_133277) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD89 (FCAR) (NM_133277) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD89
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: >RG212950 representing NM_133277
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAAACAGACCACCCTCCTGTGTCTTGGCTTGTATGGCAAACCCTTCTCTGCAGATCGGG
GTCTGGTGTGATGCCAGGAGAGAATATTTCCCTCACGTGCAGCTCAGCACACATCCCATTTGATAGATT
TTCCTGGCCAAGGAGGAGAATTTCTCTGCCACAGCACAAAGTGGGAACACCCGGCCAACCTTCTCT
TTGGGCTCTGTGGACCTCAATGTCTCAGGGATCTACAGGTGCTACGGTTGGTACAACAGGAGCCCTACC
TGTGGTCTTCCCAGTAATGCCTTGGAGCTTGTGGTCACAGACTCCATCCCAAGATTACACGACGCA
GAACTTGATCCGCATGGCCGTGGCAGGACTGGTCTCGTGGCTCTTTGGCCATACTGGTTGAAAATTGG
CACAGCCATACGGCACTGAACAAGGAAGCCTCGGCAGATGTGGCTGAACCGAGCTGGAGCCAACAGATGT
GTCAGCCAGGATTGACCTTTCACGAACACCAAGTGTCTGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212950 representing NM_133277
Red=Cloning site Green=Tags(s)

MDPKQTTLLCLGLYGKPFLSADRGLVLMGENISLTCSSAHIPFDRFLAKEGELSLPQHQSGEHPANFS
LGPVDLNVSGIYRCYGWYNRSPYLWSFSPNALELVVTDSEIHQDYTTQNLIRMAVAGLVLVALLAILVENW
HSHTALNKEASADVAEPSWSQMCQPGLTFARTPSVCK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_133277

ORF Size: 534 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_133277.4](#)

RefSeq Size: 1344 bp

RefSeq ORF: 537 bp

Locus ID: 2204

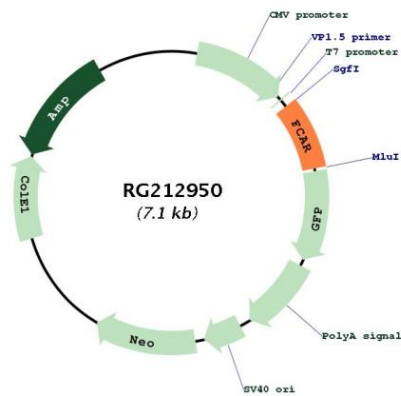
UniProt ID: [P24071](#)

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-opsionized 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]

Product images:



Circular map for RG212950