

Product datasheet for **SC312768**

CD89 (FCAR) (NM_133272) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD89 (FCAR) (NM_133272) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCAR
Synonyms:	CD89; CTB-61M7.2; FcalphaRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312768 representing NM_133272. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGACCCAAACAGACCACCCTCCTGTGTCTTGGGGACTTCCCATGCCTTTCATATCTGCCAAATCG
AGTCCTGTGATCCCTTGGATGGATCTGTGAAAATCCAGTGCCAGGCCATTCGTGAAGCTTACCTGACC
CAGCTGATGATCATAAAAACTCCACGTACCGAGAGATAGGCAGAAGACTGAAGTTTTGGAATGAGACT
GATCCTGAGTTCGTCATTGACCACATGGACGCAAACAAGGCAGGGCGCTATCAGTGCCAATATAGGATA
GGGCACTACAGGTTCCGGTACAGTGACACCCTGGAGCTGGTAGTGACAGGCTTGATGGCAAACCCTTC
CTCTCTGCAGATCGGGTCTGGTGTGATGCCAGGAGAGAATATTTCCCTCACGTGCAGCTCAGCACAC
ATCCCATTTGATAGATTTTCACTGGCCAAGGAGGAGAAGCTTTCTCTGCCACAGCACAAAGTGGGGAA
CACCCGGCCAACCTTCTCTTTGGGTCCTGTGGACCTCAATGTCTCAGGGATCTACAGGTGCTACGGTTGG
TACAACAGGAGCCCTACCTGTGGTCTTCCCCAGTAATGCCTTGGAGCTTGTGGTACAGACTCCATC
CACCAAGATTACAGCAGCAGAAGTTCATCCGATGGCCGTGGCAGGACTGGTCTCGTGCTCTCTTG
GCCATACTGGTTGAAAATGGCACAGCCATACGGCACTGAACAAGGAAGCCTCGGCAGATGTGGCTGAA
CCGAGCTGGAGCCAACAGATGTGTCAGCCAGGATTGACCTTGCACGAACACCAAGTGTCTGCAAGTAA

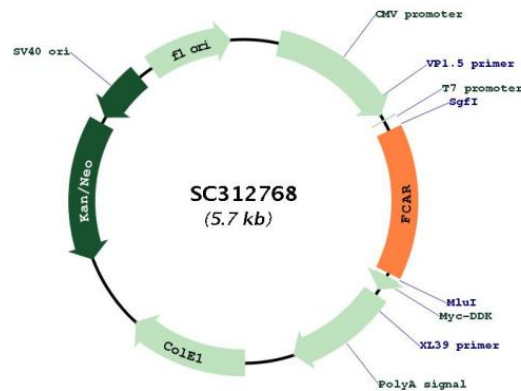
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_133272

Insert Size: 828 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_133272.3](#)

RefSeq Size: 2582 bp

RefSeq ORF: 828 bp

Locus ID: 2204

UniProt ID: [P24071](#)

Cytogenetics: 19q13.42

Domains: ig

Protein Families: Transmembrane

MW: 30.9 kDa

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]

Transcript Variant: This variant (4, also known as deltaS2 or U11) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (d) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.