

Product datasheet for **SC312594**

CD89 (FCAR) (NM_133279) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD89 (FCAR) (NM_133279) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCAR
Synonyms:	CD89; CTB-61M7.2; FcalphaRI
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133279, the custom clone sequence may differ by one or more nucleotides ATGGACCCCAAACAGACCACCCTCCTGTGTCTTGTGCTCTGTCTGGCCAGAGGATTCAG GCACAGGAAGGGGACTTCCCATGCCTTTCATATCTGCCAAATCGAGTCCTGTGATTCCC TTGGATGGATCTGTGAAAATCCAGTGCCAGGCCATTTCGTGAAGCTTACCTGACCCAGCTG ATGATCATAAAAACTCCACGTACCGAGAGATAGGCAGAAGACTGAAGTTTTGGAATGAG ACTGATCCTGAGTTCGTCATTGACCACATGGACGCAAACAAGGCAGGGCGCTATCAGTGC CAATATAGGATAGGGCACTACAGGTTCCGGTACAGTGACACCCTGGAGCTGGTAGTGACA GGCTTGATGGCAAACCTTCTCTCTGCAGATCGGGGTCTGGTGTGATGCCAGGAGAG AATATTTCCCTCACGTGCAGCTCAGCACATCCATTTGATAGATTTTACTGGCCAAG GAGGGAGAAGTTTCTCTGCCACAGCACCAAGTGGGGAACACCCGGCCAATTCTCTTTG GGTCTGTGGACCTCAATGTCTCAGGGATCTACAGGTGCTACGGTTGGTACAACAGGAGC CCCTACCTGTGGTCTTCCCCAGTAATGCCTTGGAGCTTGTGGTACAGGTAGGTACCGC CCAGTCCAGCCCTGTGTCTGGGTGGCTGTCCAGGGCCTTGCCACCGGCAGGAATA
Restriction Sites:	Please inquire
ACCN:	NM_133279
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).



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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_133279.1](#), [NP_579813.1](#)

RefSeq Size: 1636 bp

RefSeq ORF: 720 bp

Locus ID: 2204

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]

Transcript Variant: This variant (9), also called alpha receptor b, lacks exon TM/C but contains 783 nt of sequence after exon EC2 that is present in the intron between exons EC2 and TM/C of variant 1. As a result, variant 9 encodes isoform i, which has the same N-terminus but a different C-terminus than isoform a encoded by variant 1.