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Product datasheet for RG212007

CD89 (FCAR) (NM_133272) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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:

>RG212007 representing NM_133272
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCCAAACAGACCACCCTCCTGTGTCTTGGGGACTTTCCCATGCCTTTCATATCTGCCAAATCGA
GTCCTGTGATTCCCTTGGATGGATCTGTGAAAATCCAGTGCCAGGCCATTCGTGAAGCTTACCTGACCCA
GCTGATGATCATAAAAAACTCCACGTACCGAGAGATAGGCAGAAGACTGAAGTTTTGGAATGAGACTGAT
CCTGAGTTCGTCATTGACCACATGGACGCAAACAAGGCAGGGCGCTATCAGTGCCAATATAGGATAGGGC
ACTACAGATTCCGGTACAGTGACACCCTGGAGCTGGTAGTGACAGGCTTGTATGGCAAACCCTTCCTCTC
TGCAGATCGGGGTCTGGTGTTGATGCCAGGAGAGAAATATTTCCCTCACGTGCAGCTCAGCACACATCCCA
TTTGATAGATTTTCACTGGCCAAGGAGGGAGAACTTTCTCTGCCACAGCACCAAAGTGGGGAACACCCGG
CCAACTTCTCTTTGGGTCCTGTGGACCTCAATGTCTCAGGGATCTACAGGTGCTACGGTTGGTACAACAG
GAGCCCCTACCTGTGGTCCTTCCCCAGTAATGCCTTGGAGCTTGTGGTCACAGACTCCATCCACCAAGAT
TACACGACGCAGAACTTGATCCGCATGGCCGTGGCAGGACTGGTCCTCGTGGCTCTCTTGGCCATACTGG
TTGAAAATTGGCACAGCCATACGGCACTGAACAAGGAAGCCTCGGCAGATGTGGCTGAACCGAGCTGGAG
CCAACAGATGTGTCAGCCAGGATTGACCTTTGCACGAACACCAAGTGTCTGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

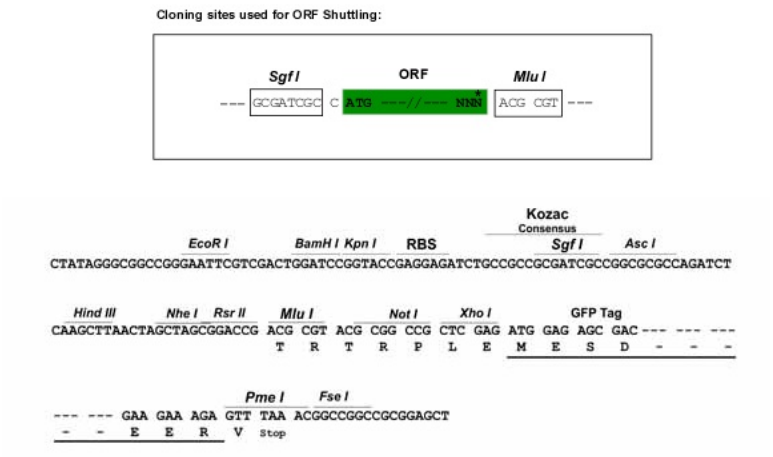
>RG212007 representing NM_133272
Red=Cloning site Green=Tags(s)

MDPKQTTLLCLGDFPMPFISAKSSPVIPLDGSVKIQCQAIREAYLTQLMIIKNSTYREIGRRLKFWNETD
PEFVIDHMDANKAGRYQCQYRIGHYRFRYSDTLELVVTGLYGKPFLSADRGLVLMPGENISLTCSSAHIP
FDRFSLAKEGELSLPQHQSGEHPANFSLGPVDLNVSGIYRCYGWYNRSPYLWSFPSNALELVVTDSIHQD
YTTQNLIRMAVAGLVLVALLAILVENWHSHTALNKEASADVAEPSWSQQMCQPGLTFARTPSVCK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133272

ORF Size: 825 bp

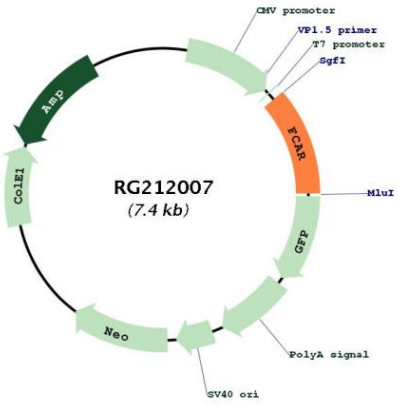
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_133272.2
RefSeq Size:	1635 bp
RefSeq ORF:	828 bp
Locus ID:	2204
UniProt ID:	P24071
Cytogenetics:	19q13.42
Domains:	ig
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]

Product images:



Circular map for RG212007