

## Specifications:

Gene:	hFCGR3A
Accession:	NP_000560
Insert size:	1093bp
Concentration:	10µg at 0.2µg/µL

## hFcγRIIIA/CD16a cDNA Plasmid

**FCGR3A Fc fragment of IgG  
receptor IIIa [ *Homo sapiens*  
(human) ]**

**Also known as:** CD16; FCG3;  
CD16A; FCGR3; IGFR3; IMD20; FCR-  
10; FCRIII; FCGRIII; FCRIII A

### Summary:

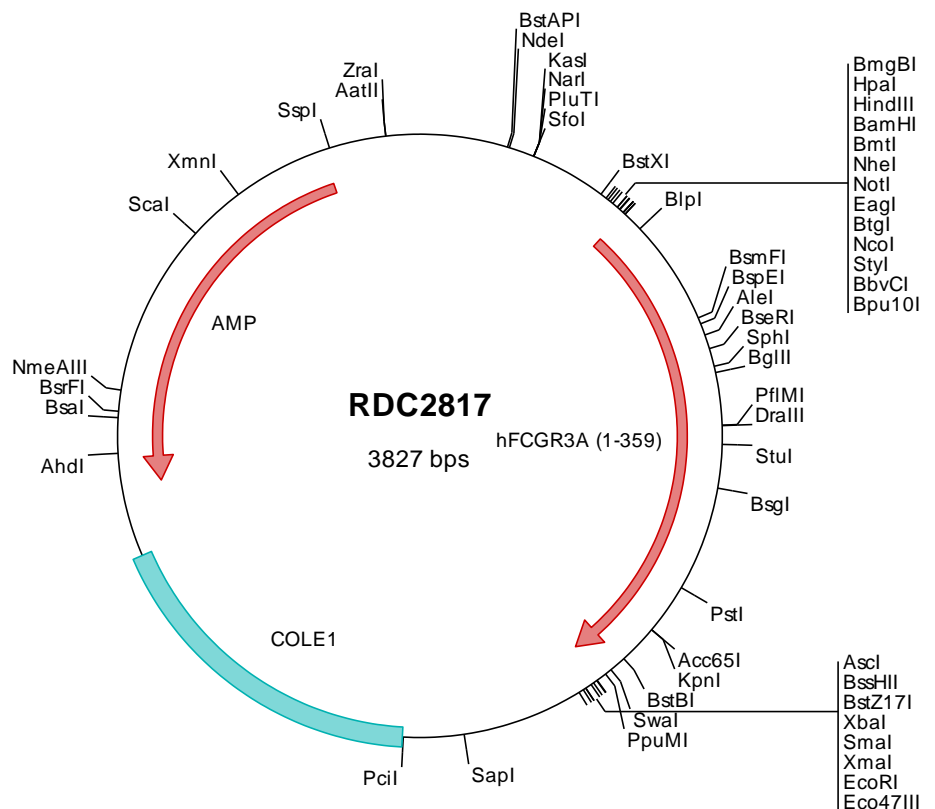
FCGR3A is a member of the Ig superfamily. It is a low affinity receptor of the Fc portion of immunoglobulin G. It is involved in the removal of antigen-antibody complexes from the circulation, as well as other antibody-dependent responses. It is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide. Mutations in FCGR3A have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcripts encoding different protein have been described.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2817 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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> RDC2817 Translated Insert Sequence

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1 maegtllwqil cvssdaqpqt fevgkgadpp tlpqgsflpq pvlwqslar lqteksdevs rkgnwvvtm gggagerlft ssclvglvpl glrlslvtcp
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201 lsdpvqlveh igwlllqapr wvfkeedpih lrchswknta lkhvtylqng kgrkyfhns dfyipkatlk dsqsyfcrgl fgsknvsset vnititgqla
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