

Specifications:

Gene:	mFcgr1
Accession:	NP_034316
Insert size:	1228bp
Concentration:	10 μ g at 0.2 μ g/ μ L

mFc γ RI/CD64 cDNA Plasmid

Fcgr1 Fc receptor, IgG, high affinity I [*Mus musculus* (house mouse)]

Also known as: CD64; IGGHAFc; AI323638; AV092959; FcgammaRI

Summary:

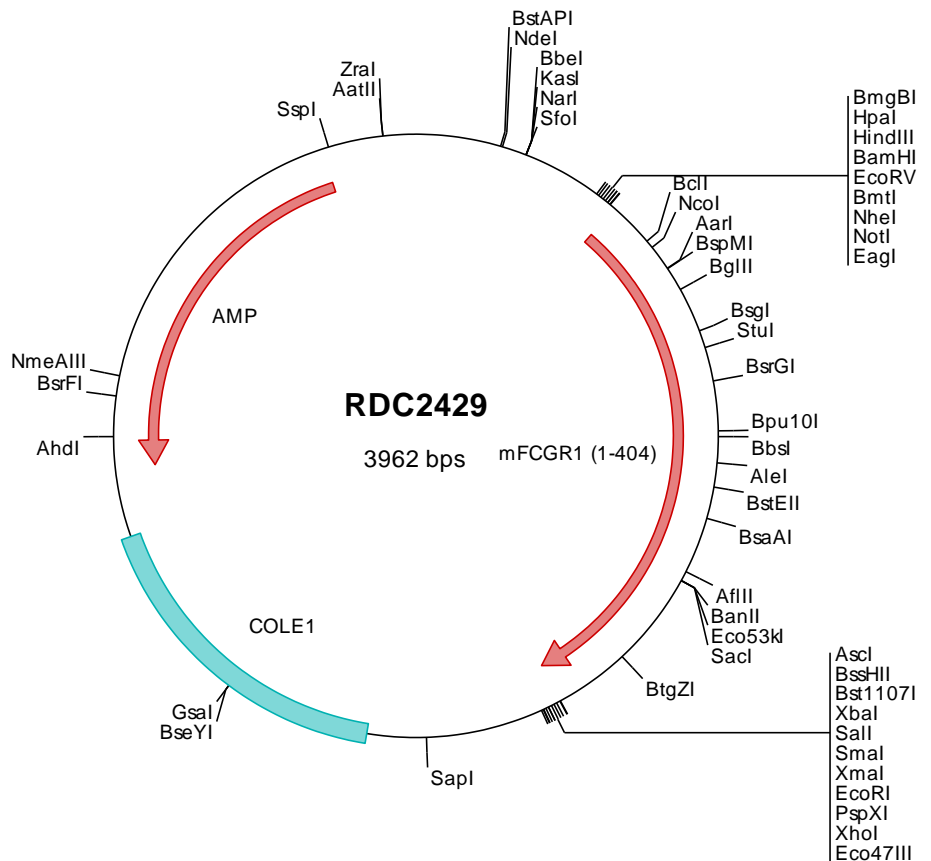
FCGR1 is a receptor for the Fc region of IgG and is a member of the Ig superfamily. Members of this family function in the activation or inhibition of immune responses such as degranulation, phagocytosis, ADCC (antibody-dependent cellular toxicity), cytokine release, and B cell proliferation. FCGR1 is expressed constitutively on monocytes and macrophages and can be induced on neutrophils and eosinophils. Its expression is up-regulated during bacterial infections and sepsis.

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

> RDC2429 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC2429 Translated Insert Sequence

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301 hilfylsvgi mfslnltvly kihrlqrek ynlvplvse qgkkansfqg vrsdqvyeev tatasqtptk eapdgprssv gdcgpeqpep lppsdsdtgag
401 tsqs

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