*r*FcγRIIA/CD32a VersaClone cDNA

Catalog Number: RDC1859

Specifications:

Gene:	*r*Fcgr2a
Accession:	NP_446295
Insert size:	816bp
Concentration:	10µg at 0.2µg/µL

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

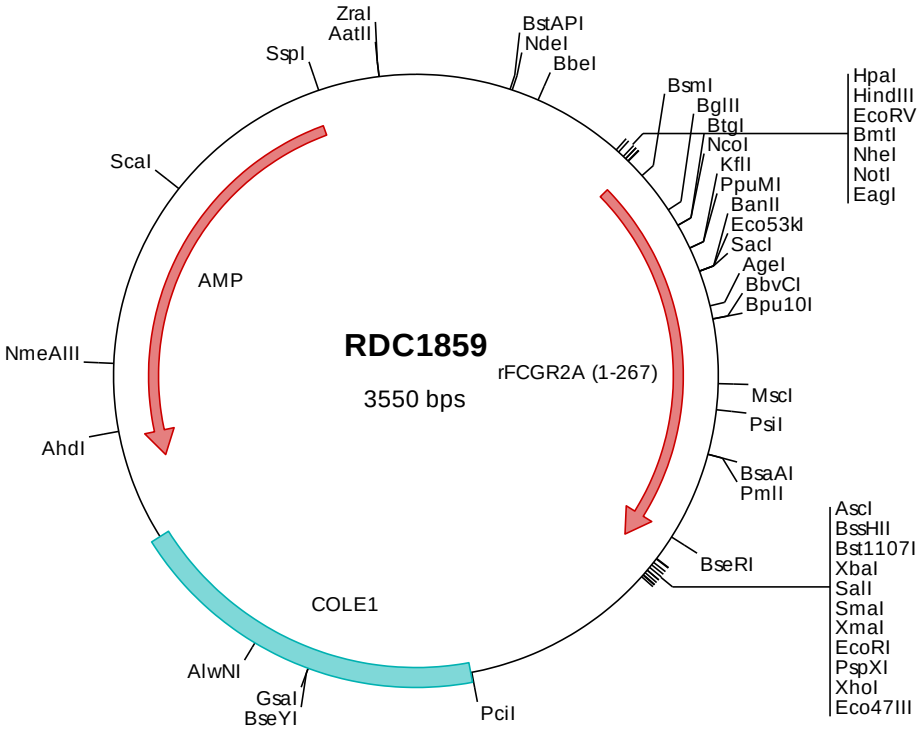
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*r*FcγRIIA/CD32a cDNA Plasmid

Fcgr2a Fc fragment of IgG, low affinity IIa, receptor [*Rattus norvegicus* (Norway rat)]

Also known as: Fcgr3; Fcgr3a

Summary:
FCGR2A is a member of the immunoglobulin superfamily. It is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils. Signaling through FCGR2A results in the initiation of inflammatory responses (cytolysis, phagocytosis, degranulation and cytokine production) that can be modulated by signals from the inhibitory receptors. The strength of the signal is dependent on the ratio of expression of the activating and inhibitory receptors.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC1859 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgactttgg agacccagat gtttcagaat gcacattctg gaagccaatg
 501  gctactccca ccactgacaa tgttgctgct gtttgctttt gcagacaggc agacgggaga tcttctgaag gctgtggtga aacgtgatcc cccatggatc
 601  caggtgctca aggacgacac tgtgacgctg acgtgcgaag ggacccacaa tcctggaaac tcttctaccc agtggttcca caaccagagc tccacctggg
 701  gccaggtcca agccagctac acgtttaagg ccacagtcaa tgacagtgga gaataccggt gccgaatggc gcacaccagc ctcagcgacc ccgtacatct
 801  ggaagtgatt tctgactggc tgctgctcca gacccctcaa ctggtgtttc tggaaggaga aagaatcaca ttgaggtgtc acggctggaa gagcatacag
 901  ctggccagga tttcattcct ccagaatgga gaatttgtgt catttcatcc ttataatgtt agctactcca tctcaaacgc caaccacagt cacagtgggg
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1401  gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat
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1701  gaaccgtaaa aaggccgcgt tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg
1801  acaggactat aaagatacca ggcgtttccc cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc gcctttctcc
1901  cttcgggaag cgtggcgctt tctcaatgct cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccgt
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2901  caaaaaagcg gttagctcct tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt
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3401  tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggttc ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat
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> RDC1859 Translated Insert Sequence

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101  eyrcrmahts lsdpvhlevi sdwlllqtpq lvflegerit lrchgwksiq larisflqng efvsfhpynv sysisnanhs hsgdyyckay lgrtehvskp
201  vtitvqgsat astsslvwfh aafclvmcll favdtglyfc vrrnlqtsge dwrrslsvgk ykapqdk
```