*m*Fc γRIII/CD16 VersaClone cDNA

Catalog Number: RDC1432

Specifications:

Gene:	*m*Fcgr3
Accession:	NP_034318
Insert size:	817bp
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

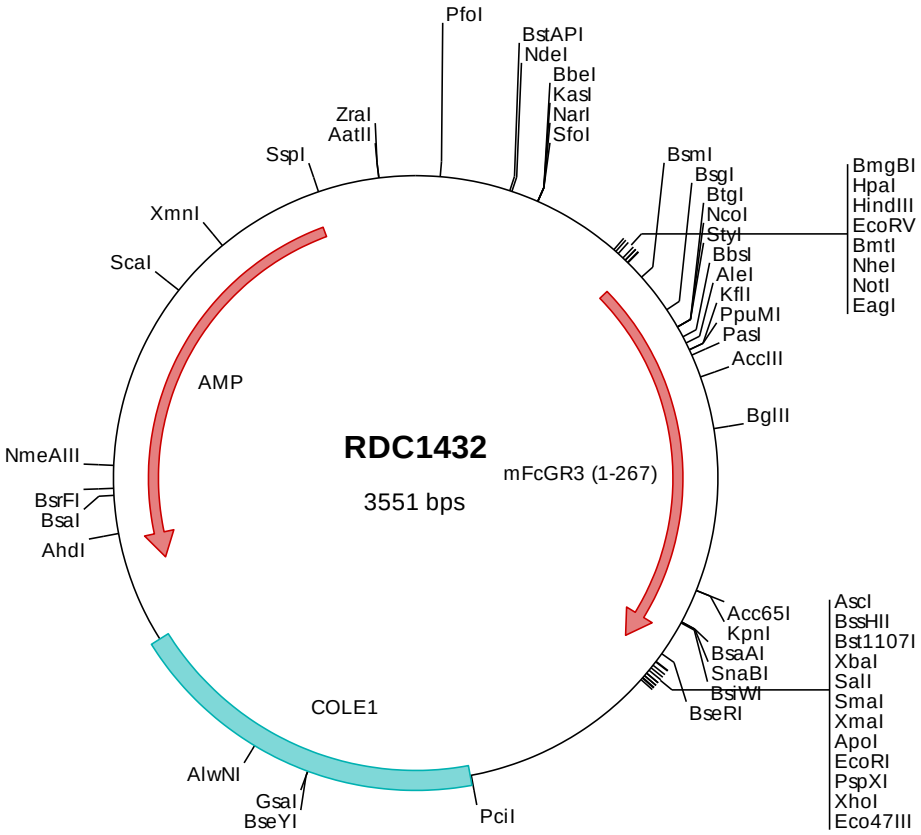
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Fc γRIII/CD16 cDNA Plasmid

Fcgr3 Fc receptor, IgG, low affinity III [*Mus musculus* (house mouse)]

Also known as: CD16

Summary:
FCGR3 is a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other antibody-dependent responses. It is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1432 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 acacccagat gtttcagaat gcacactctg gaagccaatg
 501  gctacttcca ccactgacaa ttctgctgct gtttgctttt gcagacaggc agagtgcagc tcttccgaag gctgtggtga aactggaccc cccatggatc
 601  caggtgctca aggaagacat ggtgacactg atgtgcgaag ggacccacaa ccctgggaac tcttctaccc agtggttcca caactggagt tccatccgga
 701  gccaggtcca atccagttac acgtttaagg ccacagtcaa tgacagtgga gaatatcggt gtcaaatgga gcagacccgc ctcagcgacc ctgtagatct
 801  gggagtgatt tctgactggc tgctgctcca gacccctcag cgggtgtttc tggaagggga aaccatcacg ctaaggtgcc atagctggag gaacaaacta
 901  ctgaacagga tctcattctt ccataatgaa aaatccgtga ggtatcatca ctacaaaagt aatttctcta tcccaaaagc caaccacagt cacagtgggg
1001  actactactg caaaggaagt ctaggaagta cacagcacca gtccaagcct gtcaccatca ctgtccaaga tccagcaact acatcctcca tctctctagt
1101  ctggtaccac actgctttct ccctagtgat gtgcctcctg tttgcagtgg acacgggcct ttatttctac gtacggagaa atcttcaaac cccgagggat
1201  tactggagga agtccctgtc aatcagaaag caccaggctc ctcaagacaa gtaaaggcgc gccagtatac tctagagtcg acacccgggg aattcctcga
1301  gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa catacgagcc ggaagcataa
1401  agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt gccagctgca
1501  ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact gactcgctgc gctcggtcgt tcggctgcgg
1601  cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca
1701  ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc
1801  gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc gctctcctgt tccgaccctg ccgcttaccg gatacctgtc cgcctttctc
1901  ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag gtcgttcgct ccaagctggg ctgtgtgcac gaaccccccg
2001  ttcagcccga ccgctgcgcc ttatccggta actatcgtct tgagtccaac ccggtaagac acgacttatc gccactggca gcagccactg gtaacaggat
2101  tagcagagcg aggtatgtag gcggtgctac agagttcttg aagtggtggc ctaactacgg ctacactaga aggacagtat ttggtatctg cgctctgctg
2201  aagccagtta ccttcggaaa aagagttggt agctcttgat ccggcaaaca aaccaccgct ggtagcggtg gttttttttgt ttgcaagcag cagattacgc
2301  gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt ggaacgaaaa ctcacgttaa gggattttgg tcatgagatt
2401  atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta aagtatatat gagtaaactt ggtctgacag ttaccaatgc
2501  ttaatcagtg aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggcttac
2601  catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct ccagatttat cagcaataaa ccagccagcc ggaagggccg agcgcagaag
2701  tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt aagtagttcg ccagttaata gtttgcgcaa cgttgttgcc
2801  attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt tcccaacgat caaggcgagt tacatgatcc cccatgttgt
2901  gcaaaaaagc ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg gcagcactgc ataattctct
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3301  aaatgccgca aaaaagggaa taagggcgac acggaaatgt tgaatactca tactcttcct ttttcaatat tattgaagca tttatcaggg ttattgtctc
3401  atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt tccgcgcaca tttccccgaa aagtgccacc tgacgtctaa gaaaccatta
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> RDC1432 Translated Insert Sequence

```
  1  mtldtqmfqn ahsgsqwllp pltilllfaf adrqsaalpk avvkldppwi qvlkedmvtl mcegthnpgn sstqwfhnws sirsqvqssy tfkatvndsg
101  eyrcqmeqtr lsdpvdlgvi sdwlllqtpq rvflegetit lrchswrnkl lnrisffhne ksvryhhyks nfsipkanhs hsgdyyckgs lgstqhqskp
201  vtitvqdpat tssislvwyh tafslvmcll favdtglyfy vrrnlqtprd ywrkslsirk hqapqdk
```