*h*FcγRIIIA/CD16a VersaClone cDNA

Catalog Number: RDC1341

Specifications:

Gene:	*h*FCGR3A
Accession:	NP_001121065
Insert size:	778bp
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

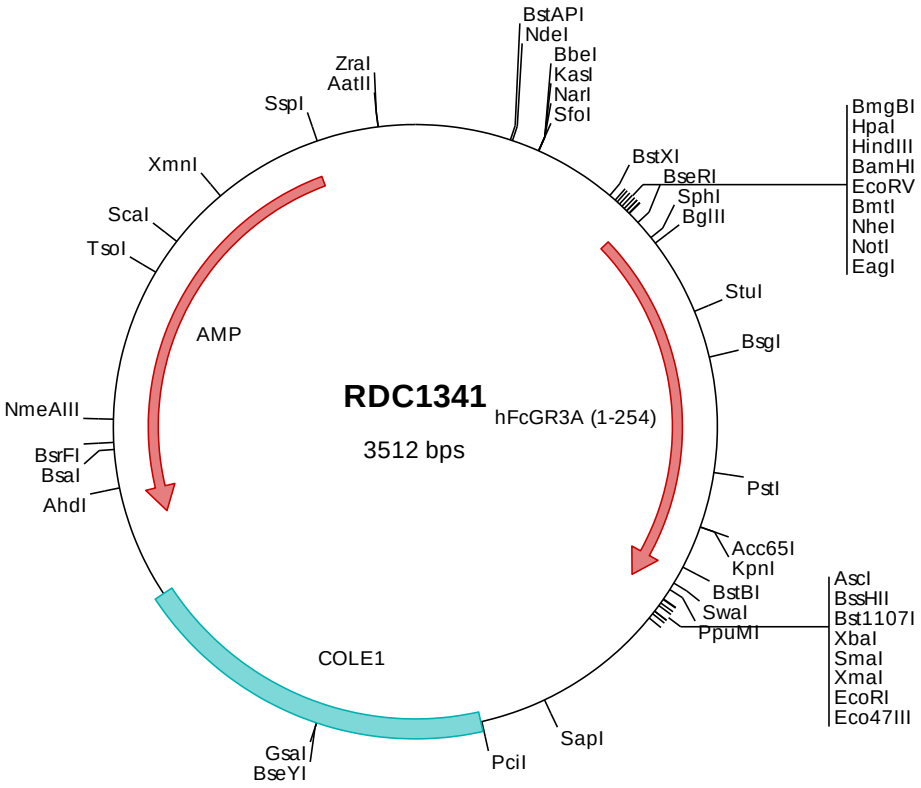
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*FcγRIIIA/CD16a cDNA Plasmid

FCGR3A Fc fragment of IgG, low affinity IIIa, receptor (CD16a) [*Homo sapiens* (human)]

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

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1341 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 atgtggcagc tgctcctccc aactgctctg ctacttctag tttcagctgg
 501  catgcggact gaagatctcc caaaggctgt ggtgttcctg gagcctcaat ggtacagggt gctcgagaag gacagtgtga ctctgaagtg ccagggagcc
 601  tactcccctg aggacaattc cacacagtgg tttcacaatg agagcctcat ctcaagccag gcctcgagct acttcattga cgctgccaca gtcgacgaca
 701  gtggagagta caggtgccag acaaacctct ccaccctcag tgacccggtg cagctagaag tccatatcgg ctggctgttg ctccaggccc ctcggtgggt
 801  gttcaaggag gaagacccta ttcacctgag gtgtcacagc tggaagaaca ctgctctgca taaggtcaca tatttacaga atggcaaagg caggaagtat
 901  tttcatcata attctgactt ctacattcca aaagccacac tcaaagacag cggctcctac ttctgcaggg ggcttttggg gagtaaaaat gtgtcttcag
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1101  ccttttgca gtggacacag gactatattt ctctgtgaag acaaacattc gaagctcaac aagagactgg aaggaccata aatttaaatg gagaaaggac
1201  cctcaagaca aataaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg
1301  tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca
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1601  tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata
1701  ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag
1801  ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcaatg ctcacgctgt
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2101  gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga
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2301  ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa
2401  atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt
2501  cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac
2601  gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa
2701  ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt
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2901  tcagaagtaa gttggccgca gtgttatcac tcatggttat ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg
3001  tgagtactca accaagtcat tctgagaata gtgtatgcgg cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact
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3401  caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga
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> RDC1341 Translated Insert Sequence

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101  qlevhigwll lqaprwvfke edpihlrchs wkntalhkvt ylqngkgrky fhhnsdfyip katlkdsgsy fcrglfgskn vssetvniti tqglavstis
201  sffppgyqvs fclvmvllfa vdtglyfsvk tnirsstrdw kdhkfkwrkd pqdk
```