*m*FcγRIIB VersaClone cDNA

Catalog Number: RDC1365

Specifications:

Gene:	*m*Fcgr2b
Accession:	NP_034317
Insert size:	895bp
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

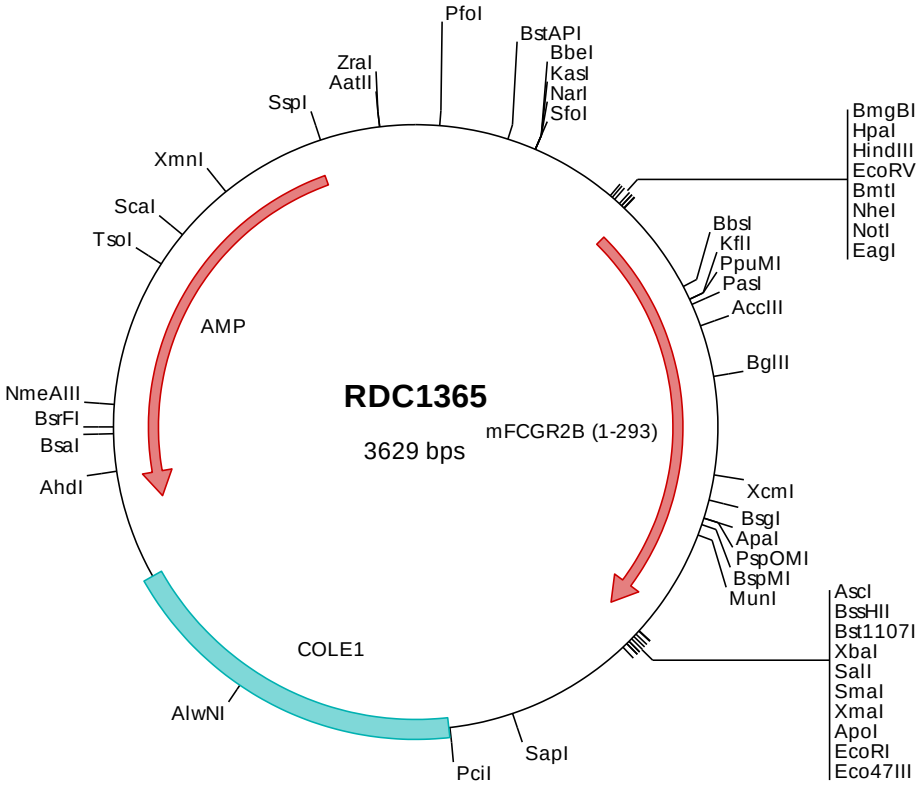
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*FcγRIIB cDNA Plasmid

Fcgr2b Fc receptor, IgG, low affinity IIb [*Mus musculus* (house mouse)]

Also known as: CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; fcRII; FcgRII; Fcgr2a; Ly-m20; AI528646; Fc[g]RII; F630109E10Rik

Summary:
FCGR2B is a member of the Ig superfamily. It is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. It is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in FCGR2B may increase susceptibility to systemic lupus erythematosus (SLE). Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1365 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 atgggaatcc tgccgttcct actgatcccc atggagagca actggactgt
 501  ccatgtgttc tcacggactt tgtgccatat gctactgtgg acagccgtgc taaatcttgc tgctgggact catgatcttc caaaggctgt ggtcaaactc
 601  gagcccccgt ggatccaggt gctcaaggaa gacacggtga cactgacatg cgaagggacc cacaaccctg ggaactcttc tacccagtgg ttccacaatg
 701  ggaggtccat ccggagccag gtccaagcca gctacacgtt taaggccaca gtcaatgaca gtggagaata tcggtgtcaa atggagcaga cccgcctcag
 801  cgaccctgta gatctgggag tgatttctga ctggctgctg ctccagaccc ctcagctggt gtttctggaa ggggaaacca tcacgctaag gtgccatagc
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1701  aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt
1801  gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag
1901  gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt
2001  ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt
2101  atccggtaac tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag gtatgtaggc
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2301  gagttggtag ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga
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2901  cacgctcgtc gtttggtatg gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc catgttgtgc aaaaaagcgg ttagctcctt
3001  cggtcctccg atcgttgtca gaagtaagtt ggccgcagtg ttatcactca tggttatggc agcactgcat aattctctta ctgtcatgcc atccgtaaga
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3601  aaataggcgt atcacgaggc cctttcgtc
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> RDC1365 Translated Insert Sequence

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101  vndsgeyrcq meqtrlsdpv dlgvisdwll lqtpqlvfle getitlrchs wrnkllnris ffhneksvry hhyssnfsip kanhshsgdy yckgslgrtl
201  hqskpvtitv qgpkssrslp vltivaavtg iavaaiviil vslvylkkkq vpdnppdlee aakteaenti tysllkhpea ldeetehdyq nhi
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