*cyno*GM-CSF R alpha VersaClone cDNA

Catalog Number: RDC3019

Specifications:

Gene:	*cyno*CSF2RA
Accession:	unique
Insert size:	1195bp
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

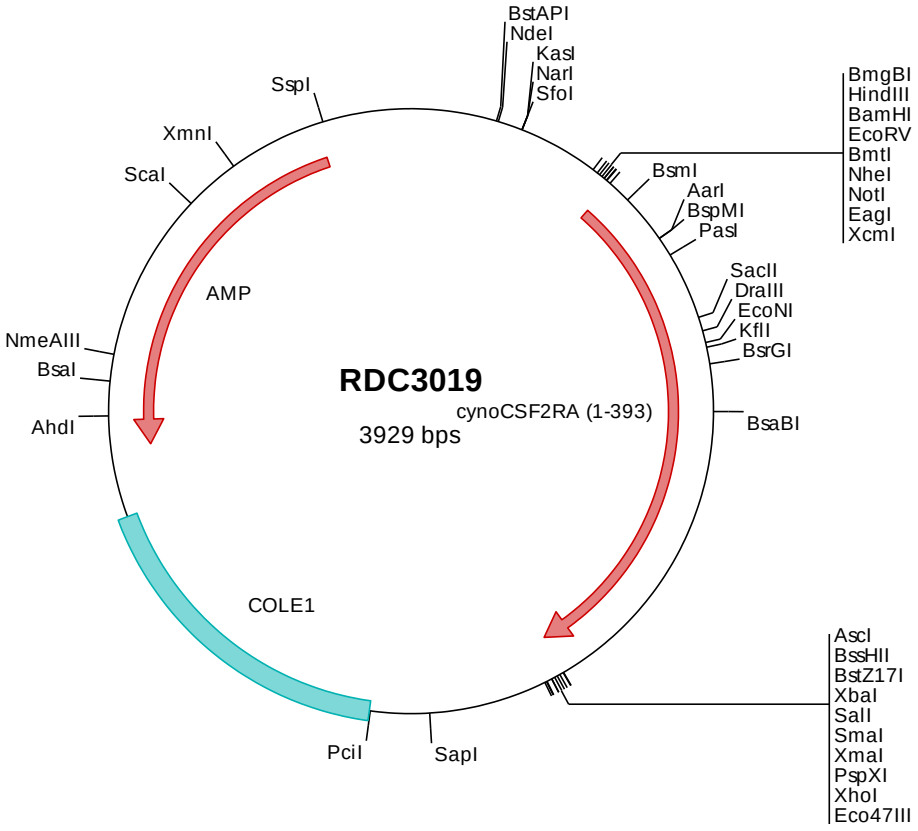
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*GM-CSF R alpha cDNA Plasmid

CSF2RA colony stimulating factor 2 receptor subunit alpha [*Macaca fascicularis (crab-eating macaque)*

Summary:

CSF2RA is the alpha subunit of the receptor complex that mediates cellular responses to granulocyte macrophage colony stimulation factor (GM-CSF). GM-CSF promotes the differentiation and mobilization of granulocyte-macrophage, erythroid, megakaryocyte, and eosinophil progenitors. CSF2RA enhances the activation of myeloid cell effector functions and plays a role in the development of Th1 biased immune responses, allergic inflammation, and autoimmunity.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC3019 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 atgtttctcc tggtcacaag ccttgtactg tttgagctgc tgcagccagc
 501  attcctcctg atcccagaga aaccggcctc tagcctcaat gtgagattcg acgccaggac gatgaattta acctgggact gccaagaaaa cacaacgttc
 601  agcaggtgtt tcctaactga caagaagggc agagtcgtgg aacccagggt cactaacaaa gaatgttcat gcacgtttcg tgaaatttgc ctgcacggag
 701  gggtcacgtt tgaggttcac gtgaacacca gccagagaac gtttcaagaa aaactgctgt atccaaactc aggaagggag ggcaccgcgg cccagaattt
 801  ctcctgcttc atccacaatg tggatttcat gaactgcacc tgggcgaggg gtcccacggc cccccgtgac gtccagtatt ttctgtacat acaaaactca
 901  aagagaagga gggagatcca gtgtccttat tacatagaag actcaggaac ccacgtggga tgccacctgg gtaacctgtc aggattaaca tctcgcaatt
1001  acttcctggt taacggaacc agccaagaaa ttggcatcca attcttcgat tcacttttgg acacaaagaa aatagaacga tttaacccgc ccggtaacgt
1101  cactgtacgc tgcaacacga cgcactgcct ggtacggtgg aaacagccca ggacctatca gaagctgtcg tacctggact ttcagtacca gctggacgtc
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1701  aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta
1801  atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg
1901  gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa
2001  aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt
2101  gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag
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2301  ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt
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2501  ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa
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2801  atccttttaa attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt accaatgctt aatcagtgag gcacctatct
2901  cagcgatctg tctatttcgt tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat
3001  gataccgcga gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc
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3801  gtatttagaa aaataaacaa atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa
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> RDC3019 Translated Insert Sequence

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 201  slldtkkier fnppgnvtvr cntthclvrw kqprtyqkls yldfqyqldv hrknmqpgte nlpinvsgdl enrynfpsse prakhavkir aadvrilnws
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