

Specifications:

Gene:	hCSF2RA
Accession:	NP_006131
Insert size:	1215bp
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.

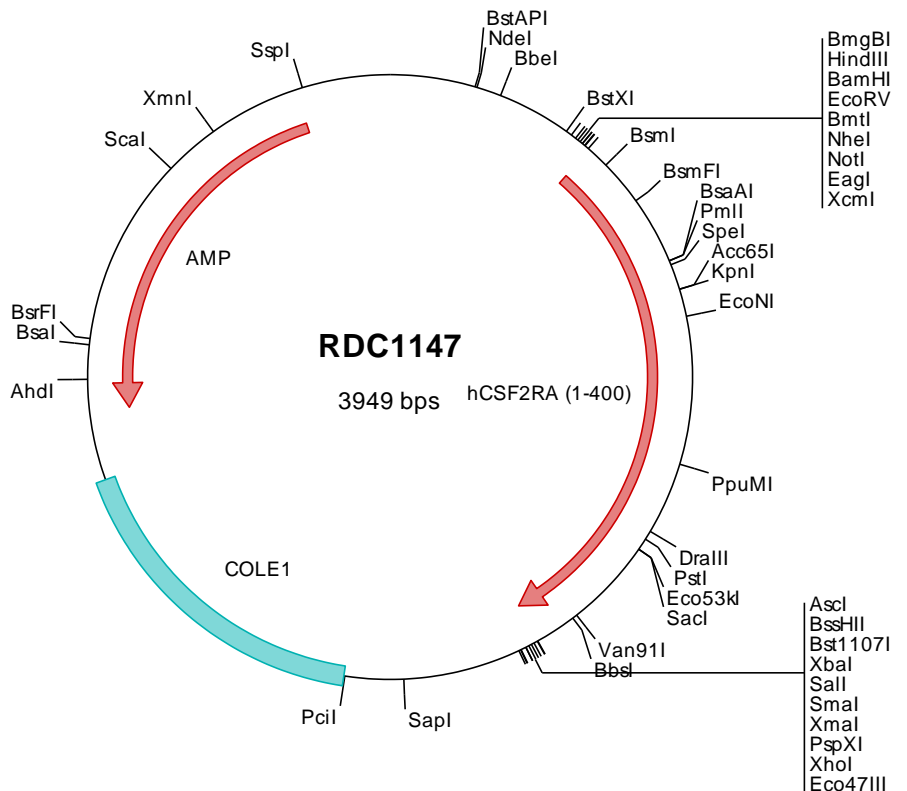
hGM-CSF R alpha cDNA Plasmid

CSF2RA colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) [*Homo sapiens* (human)]

Also known as: GMR; CD116; CSF2R; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; GM-CSF-R-alpha

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



> RDC1147 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taaggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggcgcgcaac atgcttctcc tggtgacaag ccttctgctc tgtgagttaac cacaccocagc
501 attcctcctg atcccagaga aatcggatct cgcgaactgtg gcaccagcct ctagtctcaa tgtgaggttt gactccagga cgatgaattt aagctgggac
601 tgccaagaaa acacaacott cagcaagtgt ttottaactg acaagaagaa cagagtctgt gaaccocagc tcagtaacaa ogaatgttcg tgcacatttc
701 gtgaaatttg tctgcatgaa ggagtacat ttgaggttca cgtgaatact agtcaaagag gatttcaaca gaaactgctt tatccaaatt caggaaggga
801 gggtaaccgt gctcagaatt tctcctgttt catctacaat gcggatttaa tgaactgtac ctgggcgagg ggtccgacgg ccccccgtga cgtccagtat
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1501 aggatcacagc ggtctgttccc gccagttcca cagatcaaaag acaaaactgaa tgataacatc gagggtggaag acgagatcat ctgggagga tccaccccag
1601 aggaagggaa aggctaccgc gaagaggctc tgaccgtgaa gaaaattacc tgaggcgcgc cagtatactc tagagtgcac acccggggaa ttcctcgagc
1701 gctcgtctct agcttggcgt aatcaatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaaag
1801 tgtaaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt
1901 aatgaatcgg ccaacgcgcg gggagagggc gttttgcgtat tgggcgctct tccgcttctc cgctcactga ctgcctgcgc tcggtcgttc ggtcggcgg
2001 agcggatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataaacg atgtgagcaa aaggccagca aaaggccagg
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2201 caggactata aagataccag gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgacctgcc gcttaccgga tacctgtccg cctttctccc
2301 ttccggaaagc gtcgocgttt ctcaatgctc acgctgtagg ctactcagtt cgtgttaagg ntggtgctcc aagctgggct gtgtgacagta acccccgtt
2401 cagcccgacc gctgcgctt atccgtaaac tatcgtcttg agtccaaccc ggttaagcac gacttatcgc cactggcagc agccactggt aacaggatta
2501 gcagagcgag gtagttaggc ggtgctacag agttcttgaa gtgtgtgctt aactacggct acactagaag gacagtattt ggtatctgcg ctctgtgaa
2601 gccagttacc ttccgaaaaa gatttggtag ctcttgatcc ggcaacaaa ccaccgctgg tagcgttggg ttttttggtt gcaagcagca gattacgpc
2701 agaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgcctcagtg aacgaaaaact cacgttaagg gattttggtc atgagattat
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2901 aatcagtgag gcacctatct cagcgatctg tctatttctg tcactccatag ttgcctgact ccccgctcgt tagataacta cgatacggga gggcttacc
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3601 ttgagatcca gttcgatgta acccaactcgt gcaccaact gatcttcagc atcttttact ttcaccagcg tttctgggtg atcaaaaaca ggaagtcgaa
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> RDC1147 Translated Insert Sequence

1 mlllvtslll celphaflll ipeksdlrtv apasslnvrf dsrtmnlswd cqenttfskc fltdkknrvv eprlsnecs ctfreiclhe gvtfevhvnt
101 sqrgfqklll ypnsgregta aqnfscfiyn adlmnctvar gptaprdvq flyirnkr rreircpyyiq dsqthvgchl dnlsgltsrn yflvngtsre
201 igiqffdsll dtkkierfnp psnvtvrcnt thclvrwkq rtyqklsyld fgyqldvhrk ntpgtenll invsgdenr ynfpssepra khsvkiraad
301 vrilnwssws eaiefgsddg nlgsvyiyvl livgtlvcgi vlglflkrfl riqrlfppvp qikdklndnh evedeiwee ftpeegkyr eevltvkeit