

Specifications:

Gene:	hCSF2RB
Accession:	NP_000386
Insert size:	2707bp
Concentration:	10 μ g at 0.2 μ g/ μ L

hCommon β Chain cDNA Plasmid

CSF2RB colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) [*Homo sapiens* (human)]

Also known as: CD131; IL3RB; IL5RB; SMDP5; CDw131

Summary:

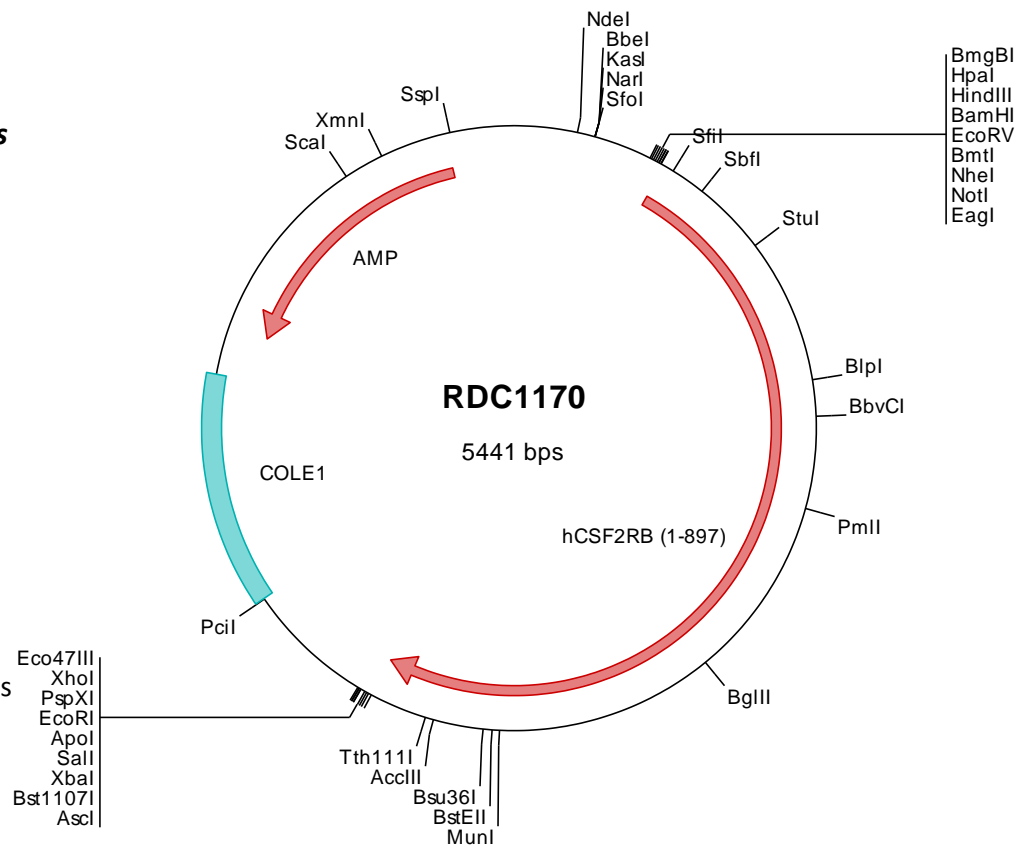
CSF2RB is a type I transmembrane protein that associates with the ligand specific IL-3 R α on T cells and other cells, IL-5 R α on eosinophils, or GM-CSF R α on myeloid cells, to form high affinity receptor complexes. Except for eosinophils, CSF2RB is primarily involved when rapid production of leukocytes is needed, rather than for developmental or steady state cell production. Defects in CSF2RB have been associated with protein alveolar proteinosis (PAP).

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1170 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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> RDC1170 Translated Insert Sequence

1 mvlagllsm allalcwrs lagaetipl qlrcyndt shiterwad qdaqrlnvt lirrvedll epvscldsd mpwsacphr cvprrcvipc
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201 hlmpsstyva rvrtrlapgs rlsgrpskws pevcdwsqpg deaqpqnlec ffdgaavls c swevrkevas svsfglyfkp spdagceecs pvlreglgs
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501 saftsgspph qgpwgsrfpe legvfpvgfg dsevspltie dpkhvcdpps lpteqppspq ppppaashtp ppppaashtp prvggdqkd spvaipmssg
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