*h*G-CSFR/CD114 VersaClone cDNA

Catalog Number: RDC1223

Specifications:

Gene:	*h*CSF3R
Accession:	NP_000751
Insert size:	2522bp
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

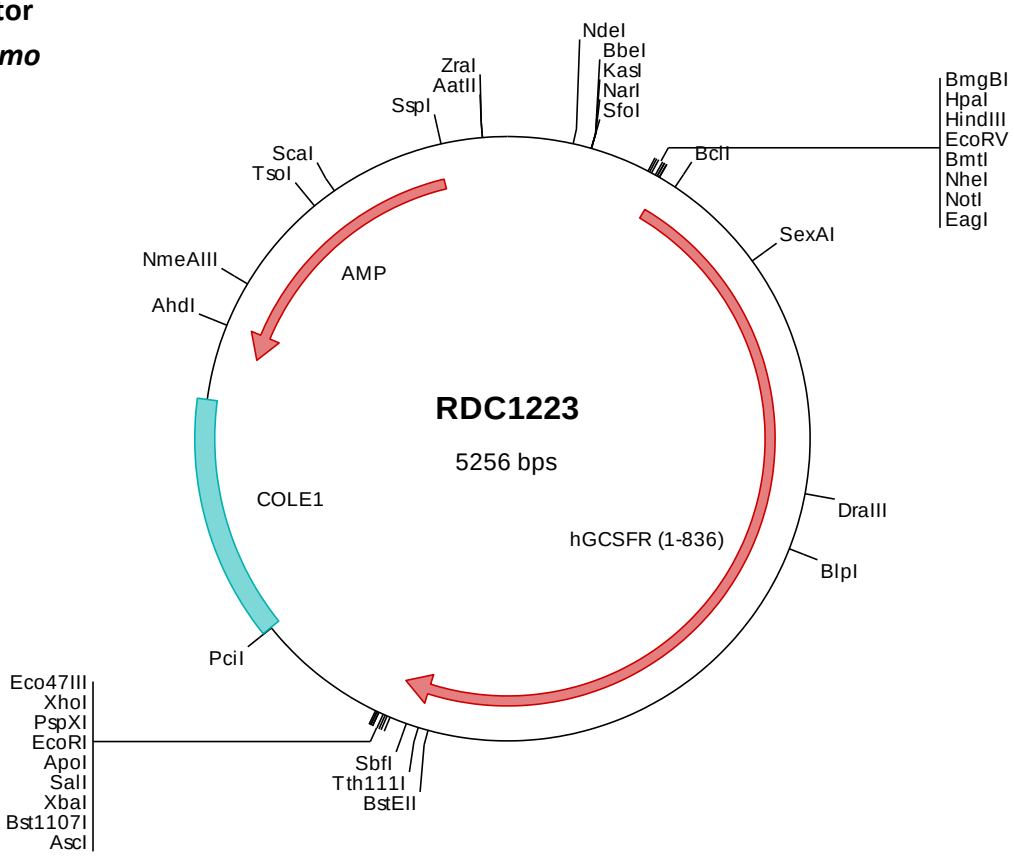
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*G-CSFR/CD114 cDNA Plasmid

CSF3R colony stimulating factor 3 receptor (granulocyte) [*Homo sapiens* (human)]

Also known as: CD114; GCSFR

Summary:
G-CSFR belongs to the type I cytokine receptor family. It is the receptor for granulocyte colony-stimulating factor (CSF3) and may function in some adhesion or recognition events at the cell surface. G-CSFR is mainly expressed in bone marrow and interacts with RARs in the regulation of myeloid differentiation. Mutations in G-CSFR are a cause of Kostmann syndrome, also known as severe congenital neutropenia. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1223 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 701  aatctatcat caccctgccc cacctcaacc acactcaggc ctttctctcc tgctgcctga actggggcaa cagcctgcag atcctggacc aggttgagct
 801  gcgcgcaggc taccctccag ccatacccca caacctctcc tgcctcatga acctcacaac cagcagcctc atctgccagt gggagccagg acctgagacc
 901  cacctaccca ccagcttcac tctgaagagt ttcaagagcc ggggcaactg tcagacccaa ggggactcca tcctggactg cgtgcccaag gacgggcaga
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> RDC1223 Translated Insert Sequence

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 301  taytlqirci rwplpghwsd wspslelrtt eraptvrldt wwrqrqldpr tvqlfwkpvp leedsgriqg yvvswrpsgq agailplcnt telsctfhlp
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 501  eiivtplyqd tmgpsqhvya ysqemapsha pelhlkhigk twaqlewvpe ppelgksplt hytifwtnaq nqsfsailna ssrgfvlhgl epaslyhihl
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