

Specifications:

Gene:	rCXCR3
Accession:	NP_445867
Insert size:	1117bp
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.

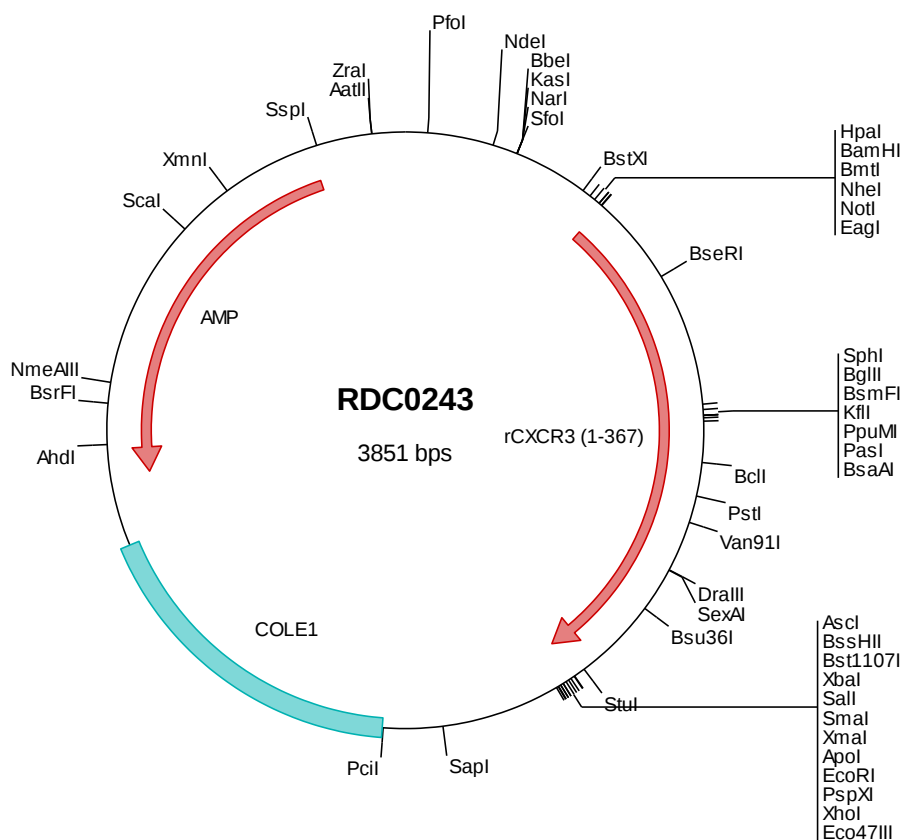
rCXCR3 cDNA Plasmid

Cxcr3 chemokine (C-X-C motif) receptor 3 [*Rattus norvegicus*]

Also known as: Gpr9

Summary:

CXCR3 is a G protein-coupled chemokine receptor that binds the α chemokines MIG (CXCL9), IP-10 (CXCL10), and ITAC (CXCL11). CXCR3 is expressed on activated T cells, B cells, and NK cells. Binding of chemokines to CXCR3 induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. CXCR3 binds interferon-inducible protein-10 and induces intracellular calcium mobilization; increased expression occurs in response to focal stroke.





> RDC0243 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
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> RDC0243 Translated Insert Sequence

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201  hcqynfpqvg rtalarvlqlv agflmplllvm aycyahilav llvsrgqrrf ramrlvvvvv vafavcwtpy hlrvldilm dvglarlncg reshvdvaks
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