

Specifications:

Gene:	rCXCR7
Accession:	NP_445804
Insert size:	1102bp
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.

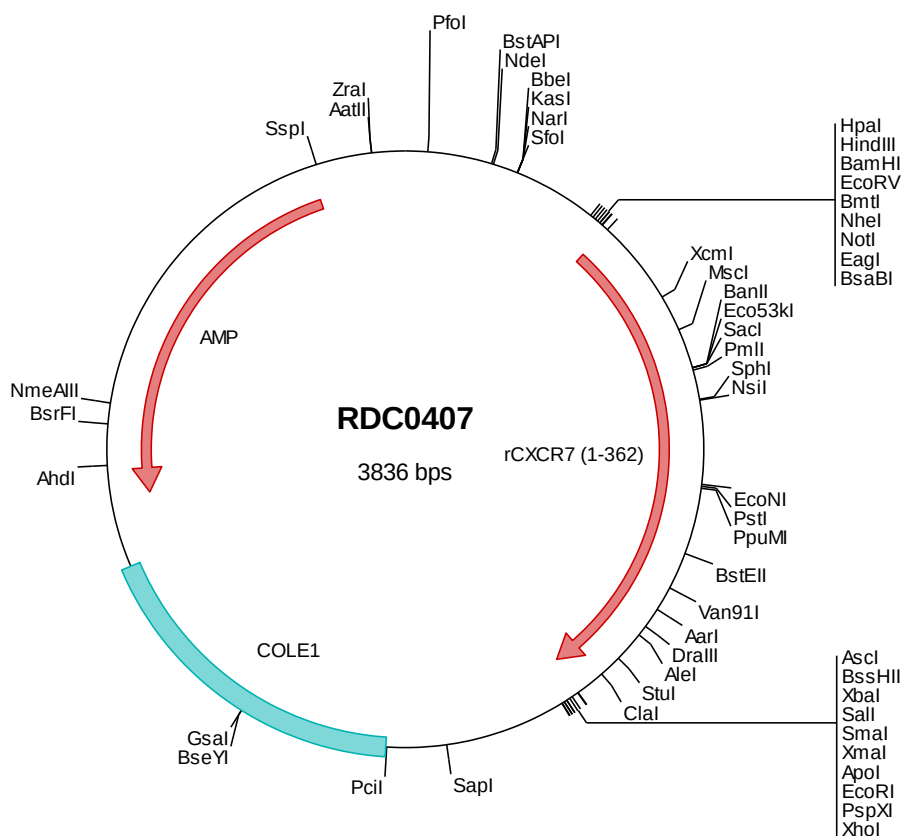
rCXCR7 cDNA Plasmid

Cxcr7 chemokine (C-X-C motif) receptor 7 [*Rattus norvegicus*]

Also known as: Rdc1; Cmkor1

Summary:

CXCR7 is a member of the G protein-coupled receptor family. SDF-1 binds to CXCR4 and CXCR7. Both CXCR7 and CXCR4 are essential for the tube formation of endothelial progenitor cells (EPCs) induced by SDF-1. CXCR7 and CXCR4 are important for EPCs in response to SDF-1, indicating that CXCR7 may be another potential target molecule for angiogenesis-dependent diseases. CXCR7 expression predicts poor disease-free and disease-specific survival in human cervical cancer patients, and might be a promising new therapeutic marker.





> RDC0407 Plasmid DNA Sequence

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201  ccgcacacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagctc ggcgaagggt ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
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501  caactggccc tgtaacagta gcgaactgat cgtcgtggac acogtgcagt gtcccgccat gcccaacaag aatgtgtctg tgtataccct ctcttcatc
601  tacattttca tcttctgtgat cggatgatgatt gccaactcog ttggtggtctg ggtgaatatc caggccaaga ctacaggcta cgacacacac tgtacatct
701  tgaacctggc cattgcgatc ctgtgggtcg tcatcaccat cctgtcttgg gtggtcagtc tctgtcagca taaccagtgg cccatgggtg agctcagctg
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901  agcacctcca gctataagaa gaagatggta cgcgctgttg tctcgtctct ggtgtggctg ctggcctctt ttgtgtccct gctgacaccc tactacctga
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2501 ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cgggtggttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat
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> RDC0407 Translated Insert Sequence

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201  pehsikewli gmelvsvilg favpftiaai fyfillarams asgdqekhss rkiifsyvvv flvcwlpvfh vllldifsil hyipftcqlc nvlftalhvt
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```