

Specifications:

Gene:	rCmklr1
Accession:	NP_071554
Insert size:	1132bp
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.

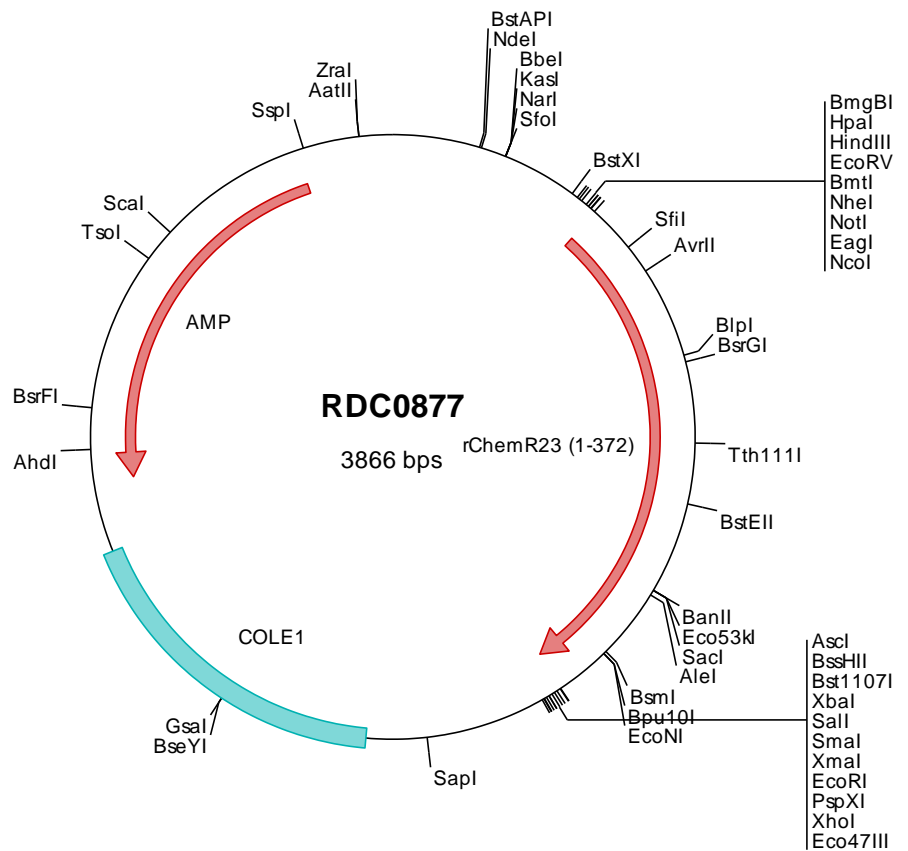
rChemR23 cDNA Plasmid

Cmklr1 chemokine-like receptor 1 [*Rattus norvegicus* (Norway rat)]

Also known as: DEZ; RVER1; ChemR23; CHEMERINR

Summary:

CMKLR1 is a G protein-coupled chemoattractant receptor, which binds several different ligands, that is expressed on dendritic cells and activated macrophages. One of these ligands, Chemerin, induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, such as reduction of immune responses, enhancing of adipogenesis, and angiogenesis. Decreased expression of CMKLR1 is suggested to be involved in depression through its interaction with the omega-3 fatty acid derived molecule resolvins E1.





> RDC0877 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaaat
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
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601 ctccggatoc taggcaatgg cctggtgatt gtoatgcca cctcaaatg gaagaagacg gtgaacacgg tgtggtttgt caactggcc gtggtgact
701 tectgttcaa catctcttgg cccatccaca tcaactatgc cgtatggac taccaactggg tgttcgggaa agccatgtgc aagattagta gctttctgct
801 aagccacaac atgtacacca gctctctctt gctcaactgto atcagcttog accgctgcat ctccgtgctc ctcccctgtt ggtcccagaa ccaccgcagc
901 gtgctctgg cctaatgac ctgogtgggt gtoagggtcc tgggtttctt cctgagtcc cctgctctcg tctccggga cacggtcagc accagccacg
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2301 tgcaagcaac cccggttcag cccgaccgct gcgcttctc cggttaactat cgtcttgagt ccaaccgggt aagacacgac ttatcgccac tggcagcagc
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2501 atctgcgctc tgctgaagcc agttacctc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag ccggtgtttt tttgtttgca
2601 agcagcagat tacgcgcaga aaaaaaggt ctcaagaaga tctttgatac ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gtttaaggat
2701 tttgtcatg agattatcaa aaaggtctt cacctagatc cttttaaat aaaaatgaag ttttaaatca atctaaagta tataatgata aacttggctc
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3701 cagggttatt gtctcatgag atgacataa tttgaatgta tttagaataa taaacaataa ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg
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> RDC0877 Translated Insert Sequence

1 meyegyndss iygeeysdgs dyivdleag pleakvaevf lvviyslvcf lgilnglvi viatfkmkkt vntvwfvnla vadflfnifl pihityaamd
101 yhwvfgkamc kissfllshn mytsvfltv isfdrcisvl lpvwsqnhrs vrlaymtcvv vwvlafflss pslvfrdtvs tshgkitcfn nfsllaapepf
201 shsthrptdp vgyshravt vtrflcglfi pvfiitacyl tivfklqrnr laktkkpfki iitititffl cwcpyhtlyl lelhtavpa svfslglpla
301 tavaianscm npilyvmfgh dfkkfkvalf srlvnalsed tgpssypshr sftkmsslie kasvnetks tl