

Specifications:

Gene:	mChemR23
Accession:	NP_032179
Insert size:	1128bp
Concentration:	10µg at 0.2µg/µL

mChemR23 cDNA Plasmid

Cmklr1 chemokine-like receptor 1 [*Mus musculus*]

Also known as: DEZ; Gpcr27;
ChemR23; mcmklr1

Summary:

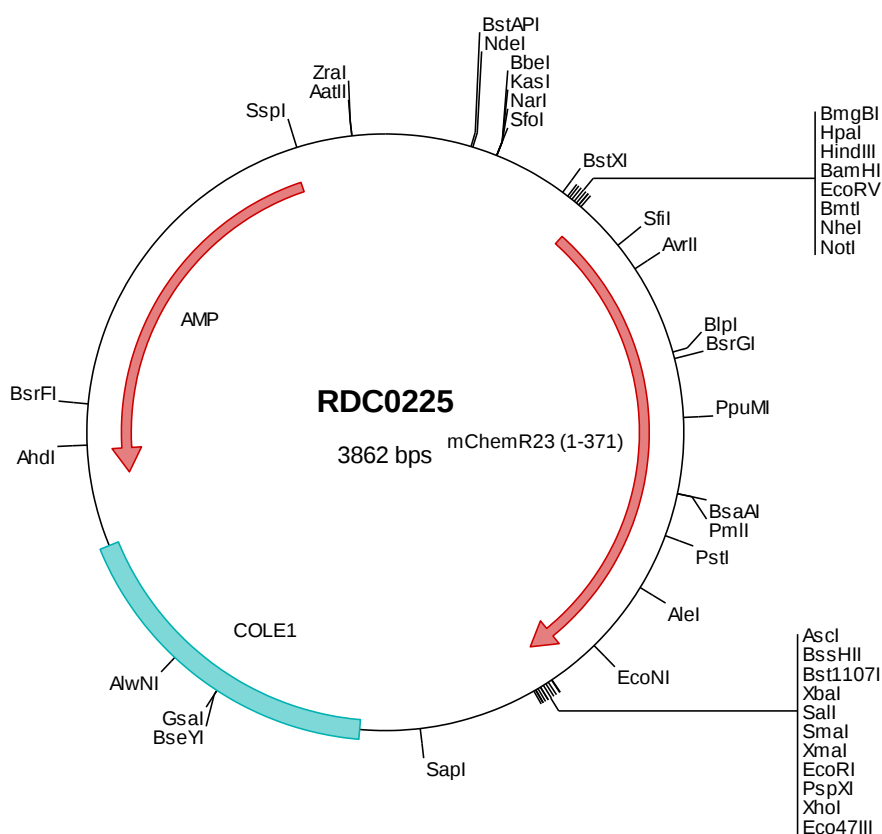
CHEMR23 is the receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. CHEMR23 is highly expressed in immature plasmacytoid dendritic cells (DCs) and at lower levels in myeloid DCs, macrophages, and NK cells. CHEMR23 is also expressed on macrophages isolated from different tissues, including peritoneal cavities, pleural cavities and spleen and during bone development and in adult parathyroid glands. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like reduction of immune responses, enhancing of adipogenesis and angiogenesis. Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF-kappa-B.

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.





> RDC0225 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
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> RDC0225 Translated Insert Sequence

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201  hpahsqvsvst gysrhvavtv trflogflip vfiitacylt ivfklqrnrl aknkkpfkii itiiitfflc wcpyhtlyll elhhtavpss vslglplat
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