

Specifications:

Gene:	mIl12rb1
Accession:	NP_032379
Insert size:	2230bp
Concentration:	10µg at 0.2µg/µL

mIL-12 R beta 1 cDNA Plasmid

Il12rb1 interleukin 12 receptor, beta 1 [*Mus musculus* (house mouse)]

Also known as: CD212; IL-12R[b]

Summary:

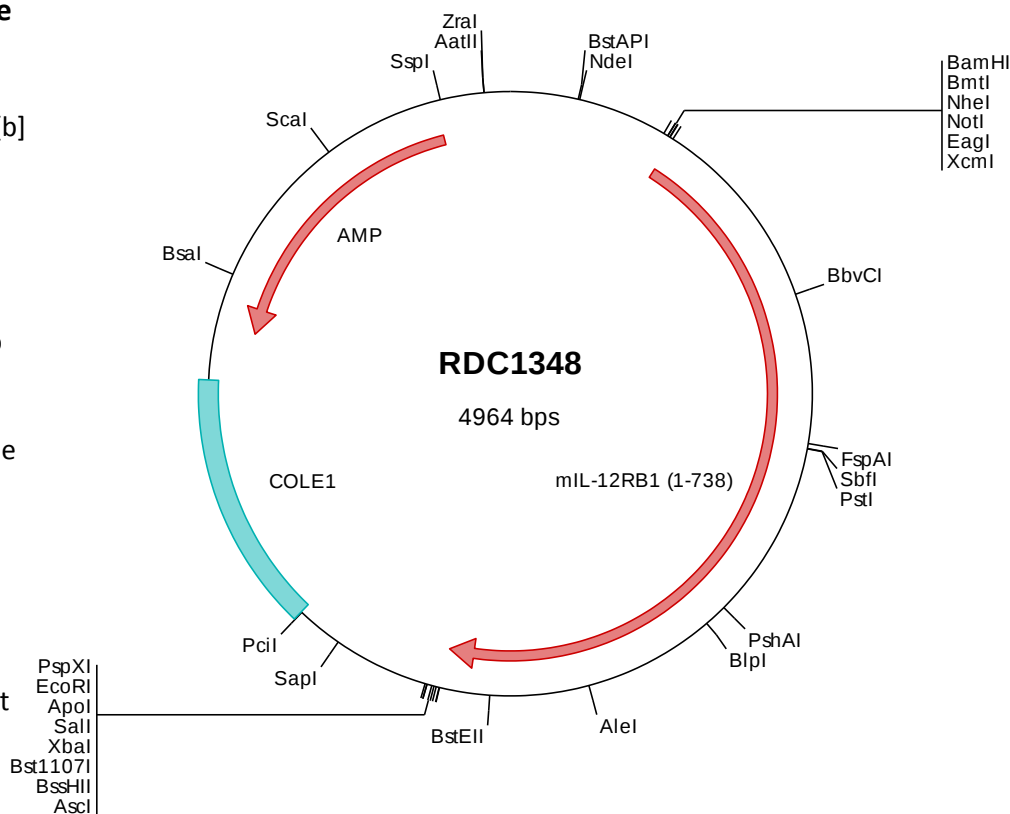
IL12RB1 is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. It binds to interleukin 12 (IL12) with low affinity. The co-expression of IL12RB1 and IL12BR2 leads to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Expression of IL12BR1 has been detected in activated T cells, NK cells, and B cells. Mutations in IL12RB1 impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1348 Plasmid DNA Sequence

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> RDC1348 Translated Insert Sequence

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