

Specifications:

Gene:	hIL12RB1
Accession:	NP_005526
Insert size:	2002bp
Concentration:	10µg at 0.2µg/µL

hIL-12 R beta 1 cDNA Plasmid

IL12RB1 interleukin 12 receptor, beta 1 [*Homo sapiens* (human)]

Also known as: CD212; IMD30; IL12RB; IL-12R-BETA1

Summary:

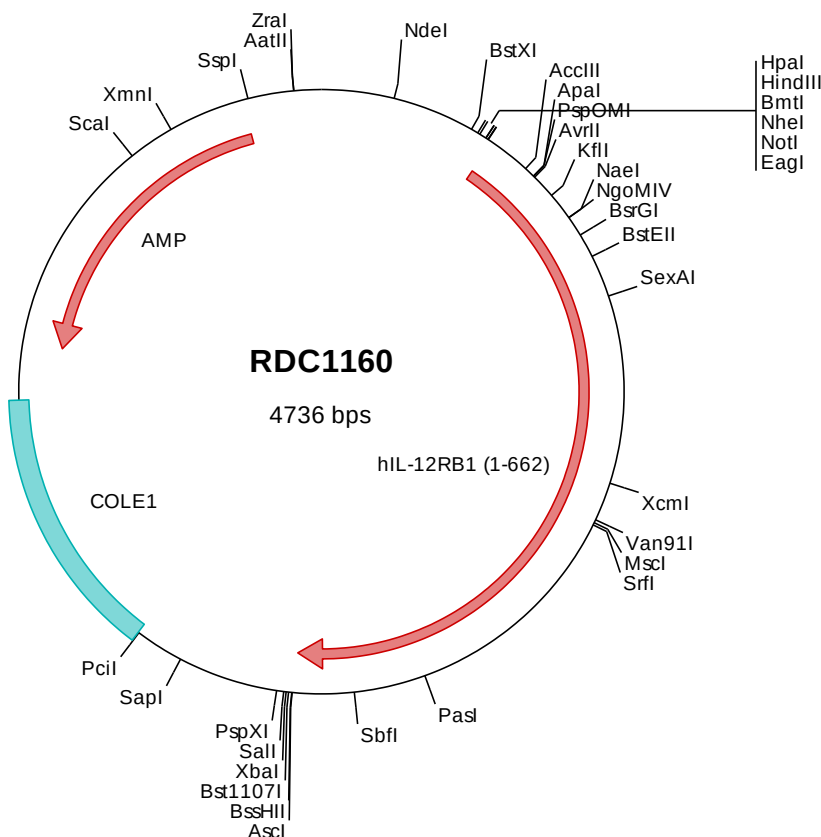
IL12RB1 is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. It binds to interleukin 12 (IL12) with low affinity. The co-expression of IL12RB1 and IL12BR2 leads to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Expression 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. Alternatively spliced transcripts encoding different proteins have been described.

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.





> RDC1160 Plasmid DNA Sequence

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> RDC1160 Translated Insert Sequence

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501  tetqvltlsl ragvaytvqv radkawlrqv wsqpqrfsie qvqsdwliff aslgsflsil lvgvlgylgl nraarhlcp lptpcassai efpqgketwq
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