

Specifications:

Gene:	<i>rhesusIL12B</i>
Accession:	NP_001038190
Insert size:	1000bp
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

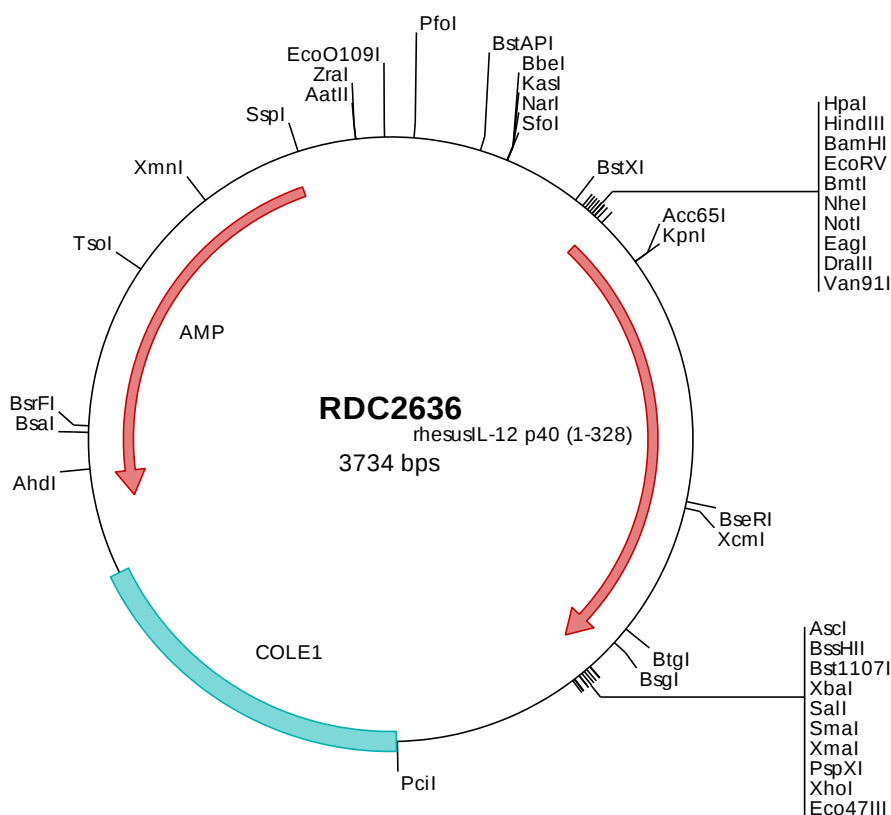
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

rhesusIL-12/IL-23 p40 cDNA Plasmid

IL12B interleukin 12B [*Macaca mulatta* (Rhesus monkey)]

Summary:

IL-12 p40 is a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. It is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. Overexpression of IL-12 p40 was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2636 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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601  gacacccctg aagaagatgg tatcacctgg accttggacc agagtgttga ggtcttaggc tctggcaaaa ccctgacat ccaagtcaaa gagtttggag
701  atgctggcca gtacacctgt cacaaggag cgcaggctct aagccattca ctctgtctgc ttcaaaaaa ggaagatgga atttggtoea ctgatgtttt
801  aaaggaccag aaagaaacca aaaataagac ctttctaaga tgtgaggcca aaaattatc tggacgttto acctgctggt ggctgacgac aatcagtaet
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3701 tataaaaaata ggcgtatcac gaggcccttt cgtc

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> RDC2636 Translated Insert Sequence

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201  aaerlpiev mvdaihklky enytssffir diikpdpkn lqlkplksr qvevswepd twstphsyfs ltficiqvqgk skrekdrif tdktsatvic
301  rknsafsvqa qdryysssww ewasvpcs

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