

Specifications:

Gene:	<i>rhesusIL12A</i>
Accession:	NP_001038199
Insert size:	775bp
Concentration:	10µg at 0.2µg/µL

rhesusIL-12/IL-35 p35 cDNA Plasmid

IL12A interleukin 12A [*Macaca mulatta* (Rhesus monkey)]

Also known as: IL-12A

Summary:

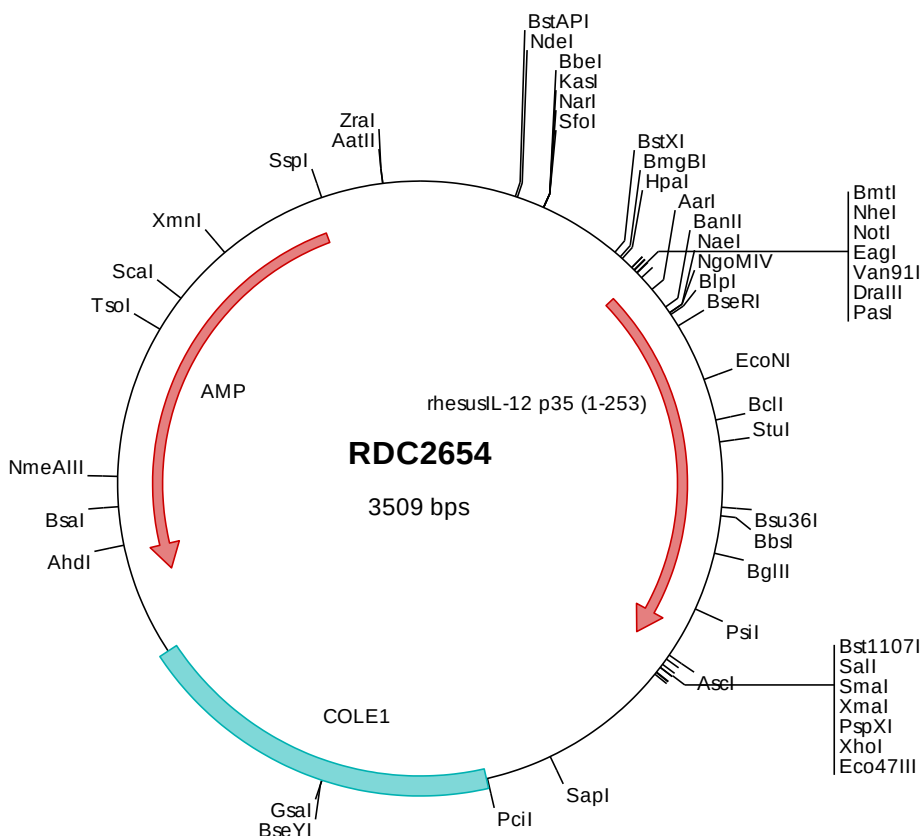
IL-12 p35 is a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4.

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

> RDC2654 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaaac tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta agccagggtt tttcccgctc acgacgttgt aaaacgacgg ccagtgattt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcaccc atgtggcccc ctgggtcagc ctgcagcca ccgcccctac ctgccacggc
501  cacaggtctg catccagcgg ctgcgccaga gcccccgcag tgccgggtca gcatgtgtcc agcgcgcagc ctccctcttg tggccaccct agtccctctg
601  gactacctca gtttggccag aaacctctcc gtggccaccc caggccacga aatgttcccc tgccctcacc actcccaaaa cctgctgaag gccgccagca
701  acacgcttca gaaggccaga caaattctag aattttaccc ttgcacttct gaagagattg atcatgaaga tatcacaaaa gataaaacca gcacagtata
801  ggcctgttta ccattggaat taatcaagaa tgagagttgc ctaaattcca gagagacttc tttcataact aatgggagtt gccctggctc cagaaagacc
901  tcttttatga tggccctgtg ccttaggagt atttatgaag acttgaagat gtaccaagtg gagtccaaga ccatgaatgc aaagctctct agggatccta
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2601 caccggctcc agattttatca gcaataaacc agccagccgg aaggggccag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt ctattaattg
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3301 aatactcata ctcttctctt ttcaattatta ttgaagcatt tatcagggtt attgtctcat gagcgggatac atatttgaat gtatttagaa aaataacaa
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3501 cctttcgtc

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> RDC2654 Translated Insert Sequence

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101  eeidheditk dktstveacl pleliknesc lnsretsfitt ngsclsrkt sfmmalclrs iyedlkmyqv efktmnakll rdpkrqifld qnilgvidel
201  mqalnfnset vpgkssleep dfyktkiklc illhafrira vtldrvmsyl nas

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