

Specifications:

Gene:	cynoIL12A
Accession:	Unique
Insert size:	673bp
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

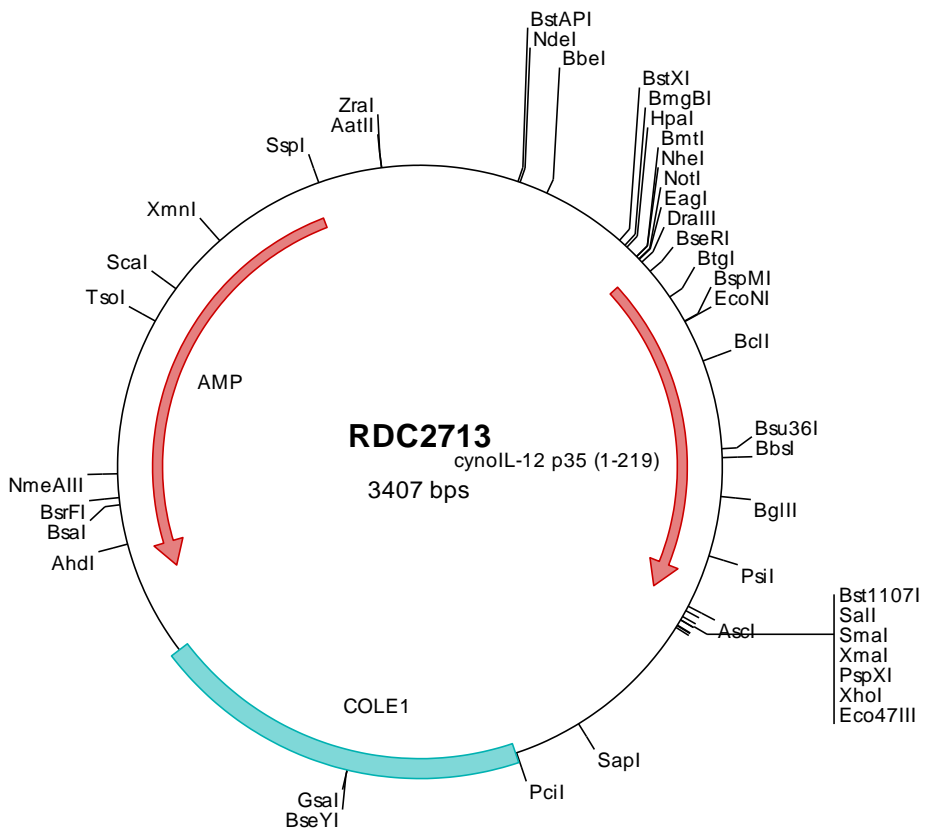
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**cynoIL-12/IL-35 p35
cDNA Plasmid**

IL12A interleukin 12A [*Macaca fascicularis* (crab-eating macaque)]

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.



> RDC2713 Plasmid DNA Sequence

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1 tcgcgcgcttt cgggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaagggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atgtgtccag cgcgcagcct cctccttgtg gccaccotag tctcctgga
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701 cctgtttacc attggaatta atcaagaatg agagttgcct aaattccaga gagacttctt tcataactaa tgggagttgc ctggcctcca gaaagacctc
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2501 ccggctccag atttatcagc aataaaaccag ccagccggaa gggccgagcg cagaagtgtt cctgcaactt tatccgcctc catccagctc attaatgtt
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3201 tactcactat cttcttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa ataaacaaat
3301 aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat cacgaggccc
3401 tttcgtc

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> RDC2713 Translated Insert Sequence

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1 mcparslllv atlvldyls larnlsvatp gpemfpllh sqnllkaasn tlqkarqile fypctseeid heditkdkts tvdaclpllel iknesclnsr
101 etsfitngsc lasrktfmm alclrsiyed lkmyqvfeft mnakllrdpk rqifldqnil gvidelmqal nfnsetvpqk ssleepdfyk tkiklcillh
201 afriravtid rvmyslnas

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