

Specifications:

Gene:	cynoIL2RA
Accession:	NP_001270633.1
Insert size:	832bp
Concentration:	10 μ g at 0.2 μ g/ μ L

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

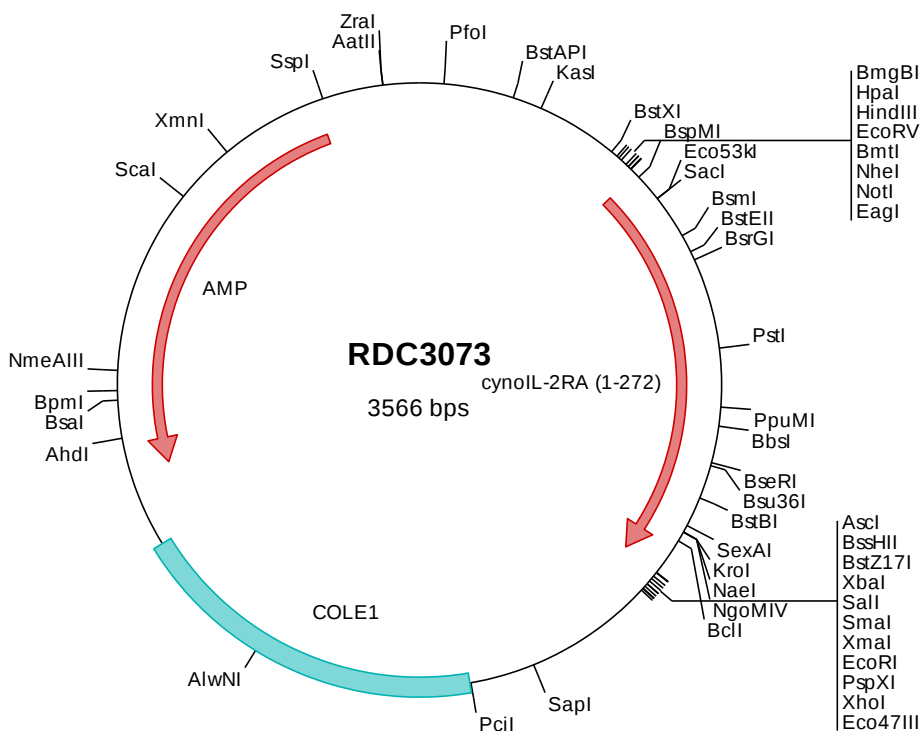
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

cynoCD25/IL-2R α cDNA Plasmid

**IL2RA interleukin 2 receptor
subunit alpha [*Macaca
fascicularis* (crab-eating
macaque)]**

Summary:

IL-2RA is the interleukin 2 receptor alpha subunit and it associates with the IL-2 receptor beta and gamma chains to form a high affinity heterotrimeric receptor complex that transduces IL-2 signals. Homodimeric alpha chains result in a low-affinity receptor, while homodimeric beta chains produce a medium-affinity receptor. IL-2RA may play an important role in autoimmunity and inflammatory diseases.



> RDC3073 Plasmid DNA Sequence

```

1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggatccat acctgctcat gtggggactg ctcaagttca tcacgggtgcc
501  tggtctgccag gcagagctct gtgacgatga cccgcaaaaa atcacacatg ccacattcaa agccgtggcc tacaaggag gaacctgtt gaactgtgaa
601  tgcaagagag gtttcgcgag aataaaaaagc ggttcacct atgtgtctgt tacaggaaac tctagccact cgtcctggga caaccaatgt caatgcacaa
701  gctctgctgc tcggaacaca acaaaaacaag tgacacctca acctgaagaa cagaaagaaa gaaaaaccac agaatgcaa agtcaaatgc agctggcgga
801  ccaagtgagc cttccaggtc actgcaggga acctccaccg tgggaaaaatg aagccacaga aagaatttat cattctgtgg tggggcagac ggtttactac
901  cagtgcgtcc agggatacac ggtctctacac agaggtctctg ctgagagcgt ctgcaaaatg acccagggga agacaagatg gacccagccc cagctcatat
1001 gcacaggctga aacggagccc agtgcagtttc caggtgaaga ggagcctcag gcaagccccg acggccttcc tgagagttag acttcccgcc tcgtcacaaac
1101 aacagatttt cgaatacaga cggaaagtgc tgcaaacatg gaaacgttca tatttacaac agagtaccag gtagcagtgg ccggctgtgt tttcctgctg
1201 atcagcgtec tctctgtgag tgggctcacc tggcagcgga gacagaggaa gaatagaaga acaatctaaa ggccgcgccag tatactctag agtcgacacc
1301 cggggaattc ctcgagcgct cgtctctagc ttggcgtaat catggtcata gctgtttcct gtgtgaaatt gttatccgct cacaattcca cacaacatac
1401 gagccggaag cataaagtgt aaagcctggg gtgcctaatg agtgagctaa ctcacattaa ttgcgttgcg ctcactgccc gctttccagt cgggaaacct
1501 gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agagggcggt tgcgtattgg gcgctcttcc gcttccctcg tcaactgactc gctgcgctcg
1601 gtcgttcggc tgcggcgagc ggtatcagct cactcaaaag cggtaatacg gttatccaca gaatcagggg ataaccgagg aaagaacatg tgagcaaaa
1701 gccagcaaaa ggccaggaaac cgtaaaaaag cgcgcttgct ggctgttttc catagcgctcc gccccctga cgagcatcac aaaaatcgac gctcaagta
1801 caggtggcga aaccgcagac gactataaag ataccaggcg tttccctctc gaagctccct cgtgcgtctc cctgttccga ccttgcgctc taccggatac
1901 ctgtccgctc ttctcccttc agtgaagcgtg gcgctttctc aatgctcacg ctgtaggtat ctgtagttcg ctcagttcgg tctgaggtcg tcgctccaag cttggctgtg
2001 tgacgaacc ccccgttcag cccgacggct cgcgcttctc cggtaactat cgtcttgagt ccaaccgggt aagacacgac ttatcgccac tggcagcagc
2101 cactggtaac aggattagca gagcgaggta tgtaggcggt gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttgg
2201 atctgcgctc tgctgaagcc agttaccttc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cgggtgtttt tttgtttgca
2301 agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga tcccttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gtttaaggat
2401 tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggctc
2501 gacagttacc aatgcttaat cagttaggca cctatctcag cgtctgtctc atttcgttca tccatagttg cctgactccc cgtcgtgtag ataactacga
2601 tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag
2701 ggccgagcgc agaagtggtc ctgcaacttt atccgctcc atccagctca ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg
2801 cgcaacgttg ttgccattgc tacaggcctc gtgtgtgtcac gctcgtcggt tggatggct tcaattcagct ccggttccca acgatcaagg caggttacat
2901 gatcccccat gttgtgcaaa aaagcggtta gctccttcgg tctcctcgatc gttgtcagaa gtaagtggc cgcagtgtta tcaactatg ttatggcagc
3001 actgcataat tctcttactg tcatgccatc cgtaaagatg ttttctgtga ctggtgagta cccaaccaag tcattctgag aatagtgtat gcggcgaccg
3101 agttgtctct gcccgcgctc aatacgggat aataccgcgc cacatagcag aactttaaaa gtgctcatca ttggaaaacg ttcttcgggg cgaaaactct
3201 caaggatctt accgctgttg agatccagtt cgtatgaacc cactcgtgca cccaactgat cttcagcatc ttttactttc accagcgttt ctgggtgagc
3301 aaaaacagga aggcaaaatg cgcgaaaaaa gggaataagg gcgacacgga aatgttgtaat actcatacto ttcctttttc aatattattg aagcatttat
3401 caggtgtatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaataa ggggttccgc gcacatttcc ccgaaaagt ccacctgacg
3501 tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgagccctc ttcgtc

```

> RDC3073 Translated Insert Sequence

```

1   mdpyllmwgl ltfitvpgcq aelcdddpk ithatfkava ykegtmlnce ckrgfrriks gspymlctgn sshsswdnqc qctssaarnt tkqvtpqpee
101  qkerkttemq sqmqldqvs lpghcreppp weneateriy hfvgqgtvyv qcvqgyralh rgpaesvckm thgktrwtqp qlictgetep sqfpgeeepp
201  aspdglpese tsrlvttdf riqtevaatm etfiftteyq vavagcvll isvllslgt wqrrqrknrr ti

```