

Specifications:

Gene:	<i>cynoCD3D</i>
Accession:	NP_001274617.1
Insert size:	529bp
Concentration:	10µg at 0.2µg/µL

**cynoCD3δ cDNA
Plasmid**

CD3D CD3d molecule [*Macaca fascicularis* (crab-eating macaque)]

Summary:

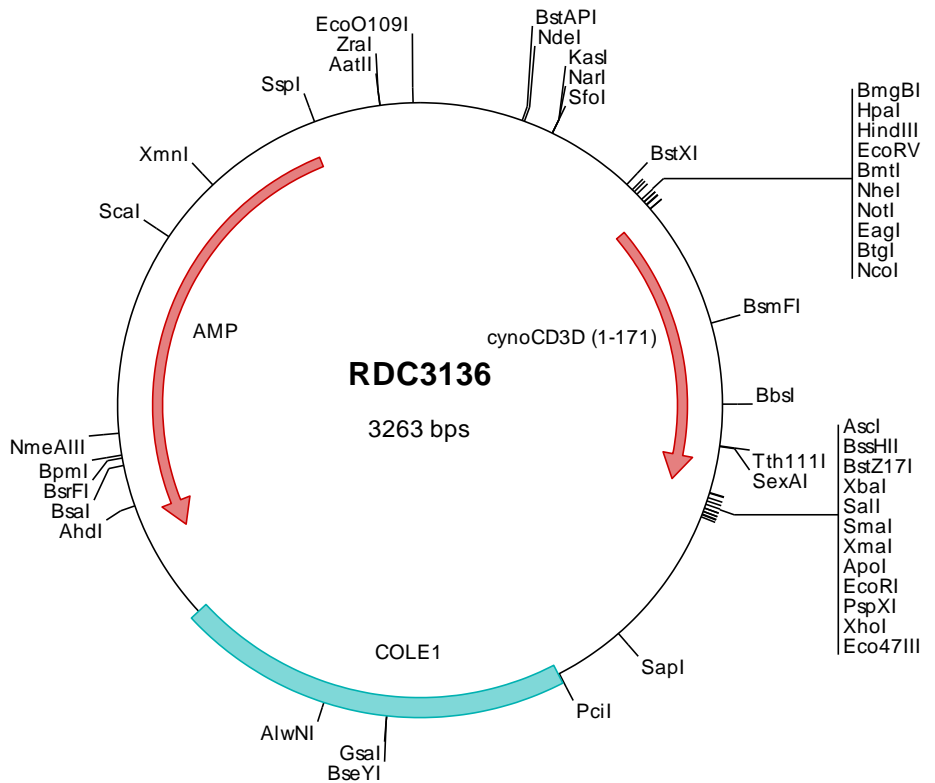
CD3D is part of the T-cell receptor/CD3 complex (TCR/CD3 complex) and is involved in T-cell development and signal transduction. It is the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK).

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

> RDC3136 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgccacc atggaacata gcacgtttct gtctggaact gtaactgcta cccttctctc
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2201 agttaccaat gcttaatcag tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgctt gactccccgt cgtgtagata actacgatac
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3201 aagaaacat tattatcatg acattaacct ataaaaatag cgttatcagc aggccctttc gtc

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> RDC3136 Translated Insert Sequence

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1 mehstflsgl vlatllsqvs pfkipevele drvfvkcnts vtwwvegtvgt lltnntrldl gkrildprgi yrcngtdiyk dkesavqvhy rmcqncveld
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