

Specifications:

Gene:	mCd3e
Accession:	NP_031674.1
Insert size:	583bp
Concentration:	10µg at 0.2µg/µL

**mCD3 ε cDNA
Plasmid**

Cd3e CD3 antigen, epsilon polypeptide [*Mus musculus* (house mouse)]

Also known as: CD3; T3e; AI504783; CD3epsilon

Summary:

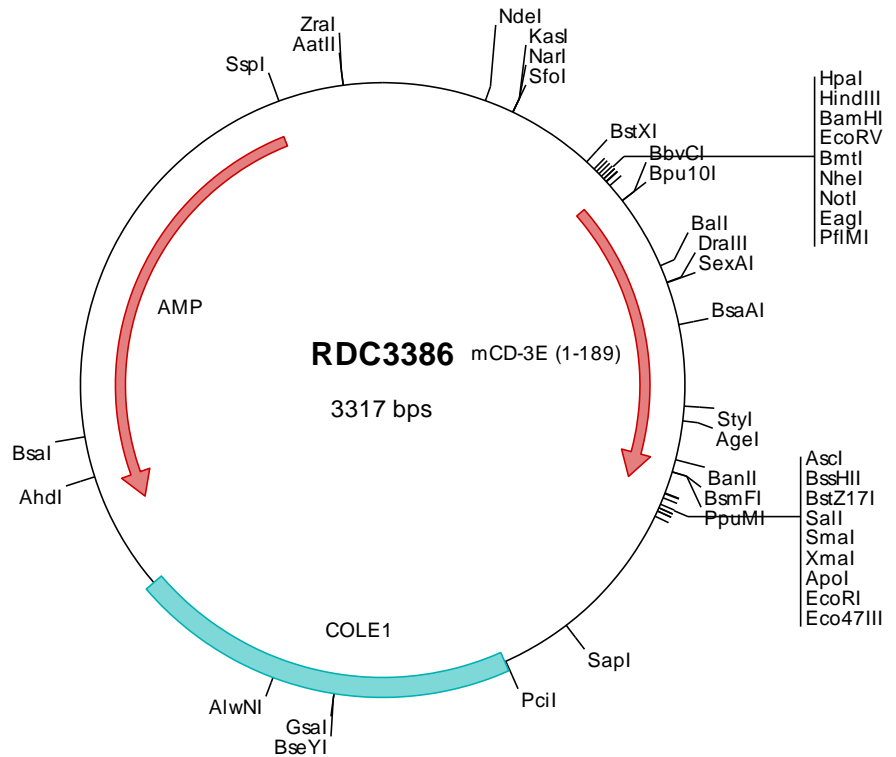
CD3E is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Defects in CD3E cause immunodeficiency. It has also been linked to a susceptibility to type I diabetes in women.

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.



> RDC3386 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta otgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atgcggtgga acactttctg gggcatcctg tgctcagcc tcctagctgt
501 tggcacttgc caggacgatg ccgagaacat tgaatacaaa gtctccatct caggaaaccg ttagagttg acgtgccctc tagacagtga cgagaactta
601 aaatgggaaa aaaatggcca agagctgcct cagaagcatg ataagcacct ggtgctccag gatttctcgg aagtcgagga cagtggctac tacgtctgct
701 acacaccagc ctcaaaataa aacacgtact tgtacctgaa agctcagatg ttgtgagtact gtgtggaggt ggacctgaca gcagttagcca taatcatcat
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2001 cttgatccgg caaacaacc accgctggta cgggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaagga tctcaagaag atcctttgat
2101 cttttctacg ggtgtctgac ctcagtggaa cgaaaactca cgttaaggga ttttggctat gagattatca aaaaggatct tcacctagat ctttttaaat
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2301 tatttctgtc atccatagtt gcctgactcc ccgtcgtgta gataactacg ataccggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga
2401 cccacgctca ccggctccag atttatcagc aataaaccag ccagccggaa ggcocgagcg cagaagtggg cctgcaactt tatccgcctc catccagctc
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3001 acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagc aaggcaaaat gccgcaaaaa agggaataag ggcgacacgg
3101 aaatgttgaa tactcatact cttctctttt caatattatt gaagcattta tcagggttat tgtctcatga cgggatacat atttgaaatg atttagaaaa
3201 ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat
3301 cacgagccc tttcgtc

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> RDC3386 Translated Insert Sequence

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1 mrwntfwgil clslavgtc qdaeniek vsisgtsvel tcpldsdenl kwekngqelp qkhdkhvlvq dfsevedsgy vycytpasnk ntylylkarv
101 ceycvevdlv avaiiivdi citlglmvi yywsknrkak akpvtgrtga gsrprgqke rppvpnpdy epirkqqrld ysglnqrav

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