

Specifications:

Gene:	mCD4
Accession:	NP_038516
Insert size:	1387bp
Concentration:	10µg at 0.2µg/µL

mCD4 cDNA Plasmid

Cd4 CD4 antigen [*Mus musculus*
(house mouse)]

Also known as: L3T4; Ly-4

Summary:

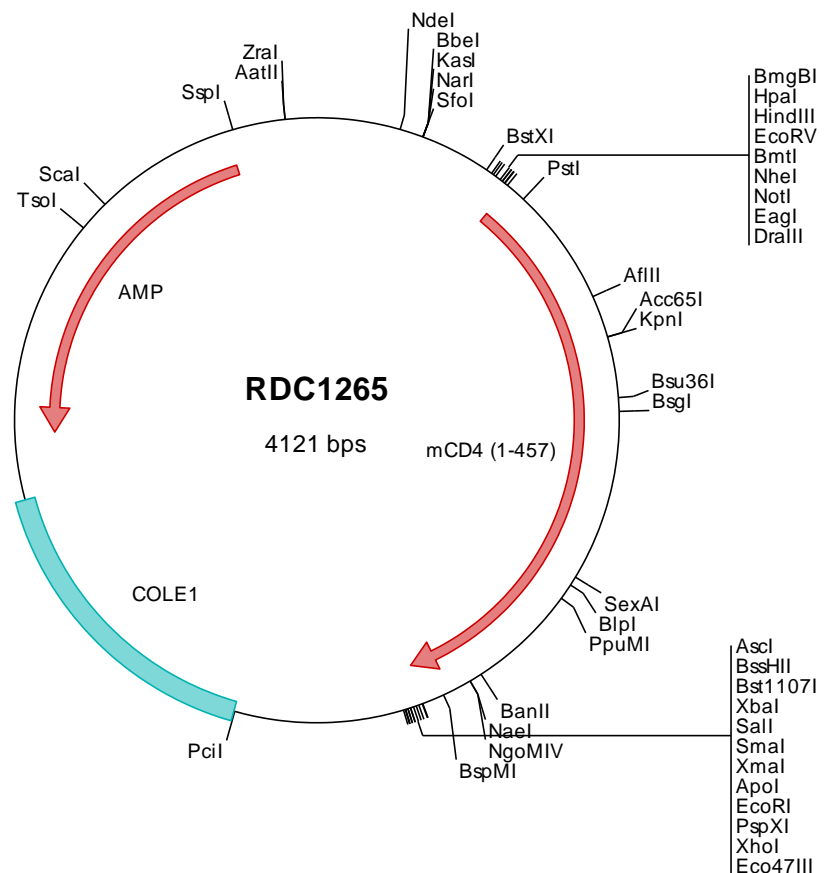
CD4 is a transmembrane protein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. It is a coreceptor required for T cell recognition of antigens that are presented by class II major histocompatibility complexes. CD4 has also been shown to be a coreceptor of HIV entry and specifically binds gp120, the external envelope glycoprotein of HIV. It is a standard phenotype marker for the identification of T cell populations.

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



> RDC1265 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggccgct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgcacc atgtgcagag ccatctctct taggcgcttg ctgctgctgc tgetgagct
501 gtoacaactc ctagctgtca ctcaagggaa gacgctggtg ctggggaagg aaggggaatc agcagaactg ccctgcgaga gttcccagaa gaagatcaaca
601 gtcttcaact ggaagttctc tgaocagagg aagattctgg ggcagcatgg caaagggtga ttaattagag gaggttcgoc ttcgagttt gatcgttttg
701 attccaaaaa aggggcatgg gagaaaagat cgtttcctct catcatcaat aaacttaaga tggaaagactc tcagacttat atctgtgagc tggagaacag
801 gaaagaggag gtggagttgt ggggttcoa agtgaccttc agtcgggta ccaagctggt gcaaggcgag agcctgaccc tgacctgga tagcaactc
901 aaggctctca accccttgac agagtgcaaa cacaaaaagg gtaaagttgt cagtgttcc aaagtctct ccatgtccaa ctaagggtt caggacagcg
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1801 cagaagagcc ataatctcat ctaaggcgcc gccagtatat tctagatgct acacccgggg aattcctcga gcgctcgtct ctgacttggc gtaatcatgg
1901 tcatagctgt ttcctgtgtg aaattgttat ccgctcaca ttccacacaa catacagacc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga
2001 gctaactcac attaatggc ttgocctcac tgcccgcctt ccagctcgga aactgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg
2101 cggtttgctg attggcgctt cttccgcttc ctgctcact gactcgtcgc gctcgtcgt tgggtcgcg cgagcggat cagctcactc aaaggcggtg
2201 atacggttat ccacagaatc aggggataac gcagaaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt
2301 ttttccatag tctccgcccc cctgacgagc atcacaaaaa tgcagctca agtcagagtg ggcgaaaccc gacaggaacta taaagatacc aggcgtttcc
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4001 aaaaataaac aaatagggtc tctcgcaca tttccccgaa aagtgcacc tgacgtctaa gaaccatta ttatcatgac attaacctat aaaaataggc
4101 gtatcacgag gcccttctg c

> RDC1265 Translated Insert Sequence

1 mcraislrrl lllllqlsql lavtqgktlv lgkegesael pcessqkkit vftwkfsdqr kilgqhkgv lirggpsqf drfdskkkaw ekgsfpliin
101 klkmedsqty icelenrkee velwfvkvtf spgtsllqgg sltltldsns kvsnplteck hkkgkvsvgs kvlmsnlrv qdsdfwnctv tldqkknwfg
201 mtlsvlqfqs taitaykseg esaefsfpln faeengwgel mwkaekdsff qpwisfsikn kevsqkstk dlklqlketl pltlkipqvs lqfagsnlt
301 ltldkgtlhf evnlvymkva qlnntltceev mgptspkmlr tlkqenqear vseeqkvvqv vapetglwqc llsegdkvkm dsriqlvlsrg nqvtfvlacv
401 lgsfqlf lglcilccvr crhqqrqar msqikrllse kktccqphm qksnlli