# *m*CD2 VersaClone cDNA

**Catalog Number: RDC2440**

## Specifications:

| | |
|---|---|
| Gene: | *m*Cd2 |
| Accession: | NP_038514 |
| Insert size: | 1048bp |
| 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

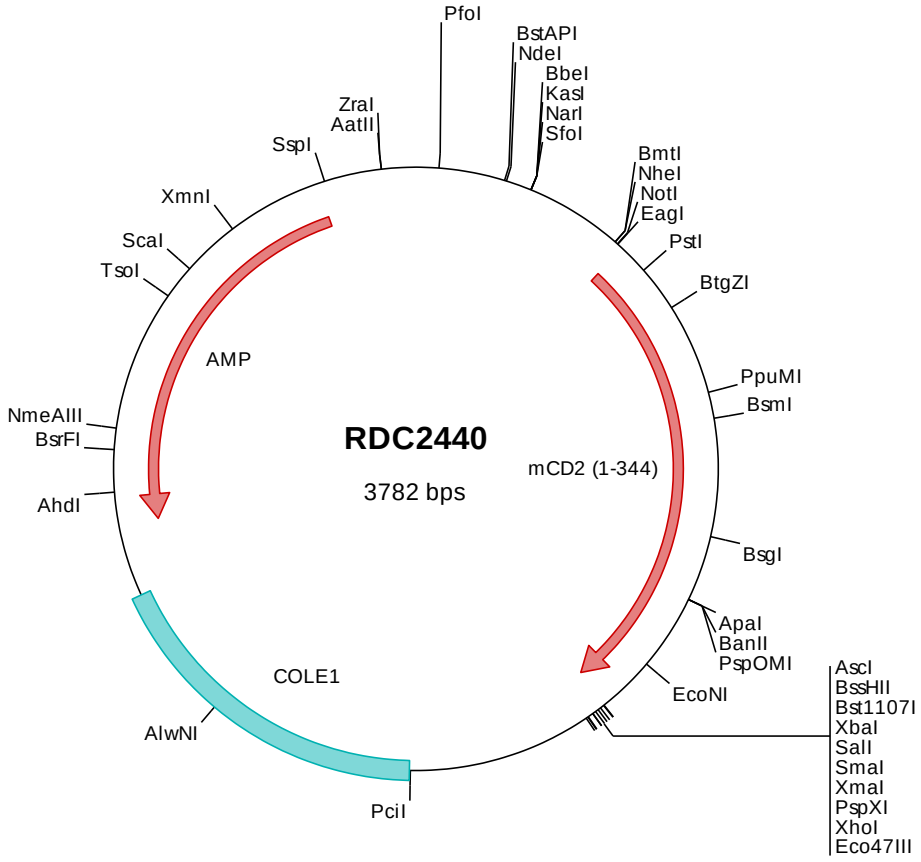
| | |
|---|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

## *m*CD2 cDNA Plasmid

**Cd2 CD2 antigen [ *Mus musculus* (house mouse) ]**

**Also known as:** Ly37; LFA-2; Ly-37

**Summary:**
CD2 is a type I glycoprotein belonging to the Ig superfamily and is expressed on T, NK, B, and some antigen presenting cells. CD2 binds CD58 on antigen presenting cells to induce co-stimulating signals in T cells.

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NOT FOR USE IN HUMANS

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## > RDC2440 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaaatgta aattcctggg tagcttcttt ctgctcttca gcctttccgg
 501  caaaggggcg gactgcagag acaatgagac catctggggt gtcttgggtc atggcatcac cctgaacatc cccaactttc aaatgactga tgatattgat
 601  gaggtgcgat gggtaaggag gggcaccctg gtcgcagagt ttaaaaggaa gaagccacct tttttgatat cagaaacgta tgaggtctta gcaaacggat
 701  ccctgaagat aaagaagccg atgatgagaa acgacagtgg cacctataat gtaatggtgt atggcacaaa tgggatgact aggctggaga aggacctgga
 801  cgtgaggatt ctggagaggg tctcaaagcc catgatccac tgggaatgcc ccaacacaac cctgacctgt gcggtcttgc aaggggacaga ttttgaactg
 901  aagctgtatc aaggggaaac actactcaat agtctccccc agaagaacat gagttaccag tggaccaacc tgaacgcacc attcaagtgt gaggcgataa
1001  acccggtcag caaggagtct aagatggaag ttgttaactg tccagagaaa ggtctgtcct tctatgtcac agtgggggtc ggtgcaggag gactcctctt
1101  ggtgctcttg gtggcgcttt ttattttctg tatctgcaag aggagaaaac ggaacaggag gagaaaagat gaagagctgg aaataaaagc ttccagaaca
1201  agcactgtgg aaaggggccc caagccgcac tcaaccccag ccgcagcagc gcagaattca gtggcgctcc aagctcctcc tccacctggc catcacctcc
1301  agacacctgg ccatcgtccc ttgcctccag gccaccgtac ccgtgagcac cagcagaaga agagacctcc tccatcaggc acacagattc accagcagaa
1401  aggccctcct ttacccagac cccgagttca gccaaaacct ccctgtggga gtggagatgg tgtttcactg ccgcccccta attaaaggcg cgccagtata
1501  ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca
1601  attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt
1701  tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac
1801  tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag
1901  aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa
2001  atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct
2101  gccgcttacc ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcaatg ctcacgctgt aggtatctca gttcggtgta ggtcgttcgc
2201  tccaagctgg gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat
2301  cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag
2401  aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt
2501  ggttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tggaacgaaa
2601  actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata
2701  tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca tagttgcctg actccccgtc
2801  gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa
2901  accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc
3001  gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga
3101  tcaaggcgag ttacatgatc ccccatgttg tgcaaaaaag cggttagctc cttcggtcct ccgatcgttg tcagaagtaa gttggccgca gtgttatcac
3201  tcatggttat ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata
3301  gtgtatgcgg cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct
3401  tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca
3501  gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata
3601  ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga
3701  aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggcccttcg tc
```

## > RDC2440 Translated Insert Sequence

```
  1  mkckflgsff llfslsgkga dcrdnetiwg vlghgitlni pnfqmtddid evrwvrrgtl vaefkrkkpp flisetyevl angslkikkp mmrndsgtyn
101  vmvygtngmt rlekdldvri lervskpmih wecpnttltc avlqgtdfel klyqgetlln slpqknmsyq wtnlnapfkc eainpvskes kmevvncpek
201  glsfyvtvgv gaggllvll valfifcick rrkrnrrrkd eeleikasrt stvergpkph stpaaaaqns valqappppg hhlqtpghrp lppghrtreh
301  qqkkrpppsg tqihqqkgpp lprprvqpkp pcgsgdgvsl pppn
```