

Specifications:

Gene:	mCd244a
Accession:	NP_061199
Insert size:	1207bp
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.

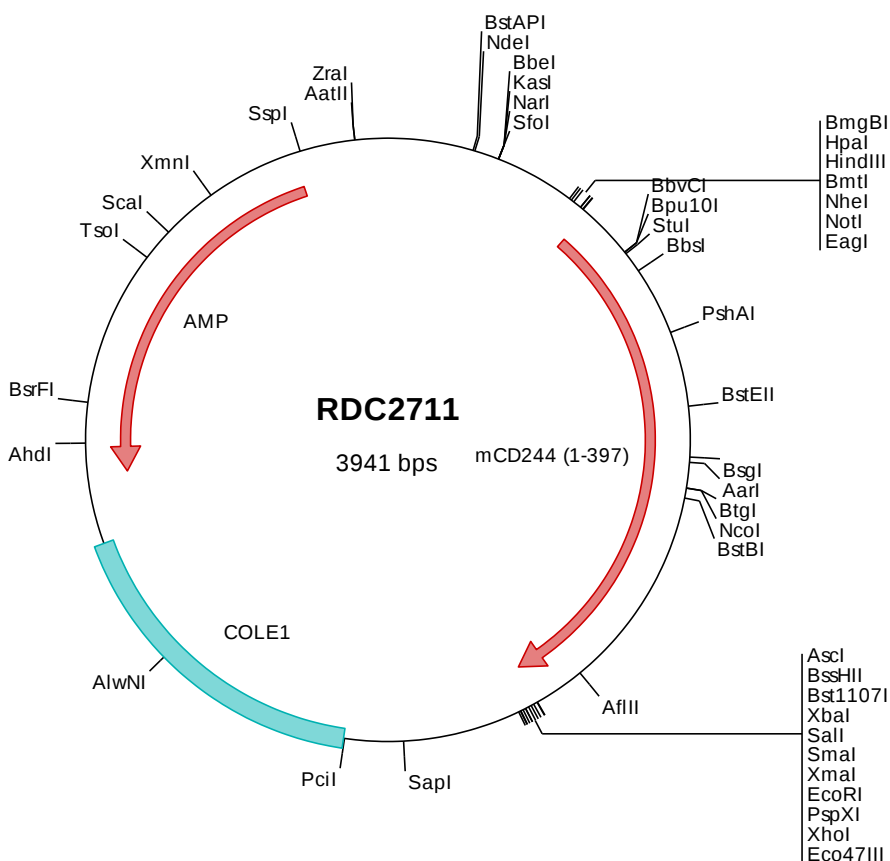
m2B4/CD244 cDNA Plasmid

Cd244a CD244 molecule A [*Mus musculus* (house mouse)]

Also known as: 2B4; C9.1; Ly90; NAIL; Nmrk; Cd244; NKR2B4; SLAMF4; F730046O15Rik

Summary:

CD244 is a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via CD244 is thought to modulate NK-cell cytolytic activity.



> RDC2711 Plasmid DNA Sequence

```

1  tcgcgcgctt  cggatgatgac  ggtgaaaaac  totgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgtcg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcaccc  atgttgggtc  aagctgtcct  gttcacaaac  tttctgtccc  tcagggtcca
501  tcaggggcaca  gactgcccag  attctctctga  agaagtgtgt  ggtgtctcag  gaaagcctgt  ccagctgagg  ccttccaaca  tacagacaaa  agatgtttct
601  gttcaatgga  agaagacaga  acagggctca  cacagaaaaa  ttgatctcct  gaattggtat  aatgatggtc  ccagttggtc  aaatgtatct  tttagtata
701  tctatgggtt  tgattatggg  gattttgtct  ttagtatcaa  gtcagctaa  ctgcaagaca  gtggtcacta  cctgctggag  atcaccacaa  caggcgga
801  agtgtgcaat  aagaacttcc  agcttcttat  acttgatcat  gttgagacc  ctaacctgaa  ggcccagtg  aagccctgga  ctaatgggac  ttgtcaactg
901  tttttgtcct  gcttgggtgac  caaggtatgac  aatgtgagct  acgctttgta  cagaggggag  actctgatct  ccaatcaaag  gaatagtacc  cactgggaga
1001  accagattga  cgccagcagc  ctgcacacat  acacctgcaa  cgttagcaac  agagcagct  gggcaaacca  cacctgaac  ttacccatg  gctgtcaaa
1101  tgtcccttcg  aatttcagat  ttctgcccct  tgggggtgac  atcgtgattc  tagttacatt  atttctcggg  gccatcattt  gtttctgtgt  gtggactaag
1201  aagaggaagc  agttacagtt  gacccctaag  gaaccttga  caatatatga  atatgtcaag  gactcacgag  ccagcaggga  tcaacaagga  tgctctagg
1301  cctcctggat  tcctcctggc  atggcggaag  atgggagggg  acaaaagaga  ttggacaggg  gtgtttctga  ggtgctggag  cagttgccc  agcagacttt
1401  ccttgagat  agaggcacca  tgtactctat  gatacagtc  aagcctctgt  attccacatc  acaagaaaa  tgtacagtat  attcagtagt  ccagccttcc
1501  aggaagtctg  gatccaagaa  gaggaaccag  aactcttctc  taagttgtac  cgtgtacgag  gaggttgga  acccttggt  caaagctcac  aacctgcca
1601  ggctgagcgc  cagagagctg  gagaaccttt  atgtctactc  ctaaggcgcc  gccagtatac  tctagagtgc  acacccggg  aattcctcga  gcgctcgct
1701  ctagcttggc  gtaatcatgg  tcatagctgt  ttctgtgtgt  aaattgttat  cgcgtcaca  ttccacacaa  catacgagcc  ggaagcataa  agtgtaaac
1801  ctgggggtgcc  taatgagtga  cctaactcac  attaattgct  ttgcgctcac  tgccgcttt  ccagtcggga  aacctgtcgt  gccagctgca  ttaatgaatc
1901  ggccaacgcg  cgggagagag  cgttttgct  attggcgct  cttcgcttc  ctgcctcact  gactcgctgc  gctcggtcgt  tcggctcgg  cgagcggtat
2001  cagctcactc  aaaggcggt  atacggttat  ccacagaatc  aggggataac  gcagcaaaa  acatgtgagc  aaaaggccag  caaaaggcca  ggaaccgtaa
2101  aaaggccgcg  ttgctggcgt  ttctccatag  gctccgccc  cctgacgagc  atcacaaaa  tcgacgctca  agtcagaggt  ggcgaaaacc  gacaggacta
2201  taagataacc  aggcgtttcc  cctggaagc  tcctctcgt  gctctcctgt  tccgacctg  gatacctgtc  cgctttctc  ccttcgggaa  ccttcgggaa
2301  gcgtggcgt  ttctcaatgc  tcacgtgtga  ggtatctcag  ttccgtgtag  gtgcgtcgt  ccaagctggg  ctgtgtgcac  gaacccccg  ttccagccga
2401  ccgctgcgc  ttatccggt  actatcgtct  tgagtccaac  ccgtaagac  acgacttacc  gccactggca  gcagccactg  ctaacaggat  tagcagagcg
2501  aggtatgtag  gcggtgctac  agagtctctg  aagtggtggc  ctaactacgg  ctacactaga  aggacagtat  ttggtatctg  gctctgtctg  aagccagtta
2601  ccttcgga  aagagttggt  agctcttgat  ccggcaaa  aaccaccgct  ggtagcgggt  gttttttgt  ttgcaagcag  cagattacgc  gcagaaaaaa
2701  aggatctcaa  gaagatcctt  tgatcttttc  tacgggtct  gacgctcagt  ggaacgaaaa  ctacgtttaa  gggattttg  tcatgagatt  atcaaaaagg
2801  atcttcacct  agatcctttt  aaattaaaa  tgaagtttta  aatcaatcta  aagtatatat  gagtaaaact  ggtctgacag  ttaccaatgc  ttaatcagtg
2901  aggcacctat  ctacagcagc  tgtctatttc  gttcatccat  agttgcctga  ctcccgtcg  ttagataaac  tacgatacgg  gagggcttac  catctggccc
3001  cagtgctgca  atgataccgc  gagaccacg  ctacccgct  ccagatttat  cagcaataaa  ccagccagcc  ggaaggccg  agccgagaag  tggtcctgca
3101  actttatccg  cctccatcca  gtctattaat  tgttgccggg  aagctagagt  aagtagttcg  ccagttaata  gtttgccgaa  cgtttgtgcc  attgctacag
3201  gcatcgtggt  gtcacgctcg  tcgtttggt  ttggttcatt  cagctccggt  tcccaacgat  caaggcgagt  tacatgatcc  cccatgttgt  gcaaaaaagc
3301  ggttagctcc  ttccgtcttc  cgatcgttgt  cagaagtaag  ttggcccgag  ttgttatcact  catggttatg  gcagcactgc  ataattctct  tactgtcatg
3401  ccataccgta  gatgcttttc  tgtgactggt  gagtactcaa  ccaagtcatt  ctgagaatag  tgtatgcggc  gaccgagttg  ctcttgccc  gcgtcaatac
3501  gggataatac  cgccccacat  agcagaact  taaaagtgt  catcattgga  aaacgttctt  cggggcgaaa  actctcaagg  atcttaccgc  tgttgagatc
3601  tagttcgatg  taaccactc  gtgcaaccaa  ctgatcttca  gcatctttta  ctttcaccag  cgtttctggg  tgagcaaaaa  cagggaaggca  aaatgcgca
3701  aaaaagggaa  taaggcgac  acggaaatgt  tgaatactca  tactcttct  ttttcaatat  tattgaagca  tttatcaggg  ttattgtctc  atgagcggat
3801  acataattga  atgtatttag  aaaaataaac  aaatagggt  tccgcgcaca  tttcccgcga  aagtgccacc  tgacgtctaa  gaaaccatta  tttatcatgac
3901  attaacctat  aaaaataggc  gtatcacgag  gccctttcgt  c

```

> RDC2711 Translated Insert Sequence

```

1  mlgqavlfth  flllrahqgg  dcpdsseevv  gvsqkpvqlr  psniqtkdvs  vqwkkteggs  hrkieilnwy  ndgpswsnvs  fsdiygfdyg  dfalsiksak
101  lqdsghylle  itntggkvcn  knfqlilhd  vetpnkagw  kpwtngtcql  flslclvtkdd  nvsyalyrgs  tlnsqnrnst  hwenqidass  lhtytcnvs
201  raswanhtln  fthgcqsvps  nfrflpfqvi  ivilvtlflg  aiicfcvwtk  krklqlfispk  epltiyeyvk  dsrasrdqgg  csrasgspsa  vqedgrgqre
301  ldrrvsevl  qlpqgtfpdg  rgtmysmiqc  kpsdstsqek  ctvysvvpqs  rksgskkrnq  nsslscctvye  evgnpwlkah  nparlsrrel  enfdvys

```