

Specifications:

Gene:	mCd34
Accession:	NP_001104529.1
Insert size:	991bp
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.

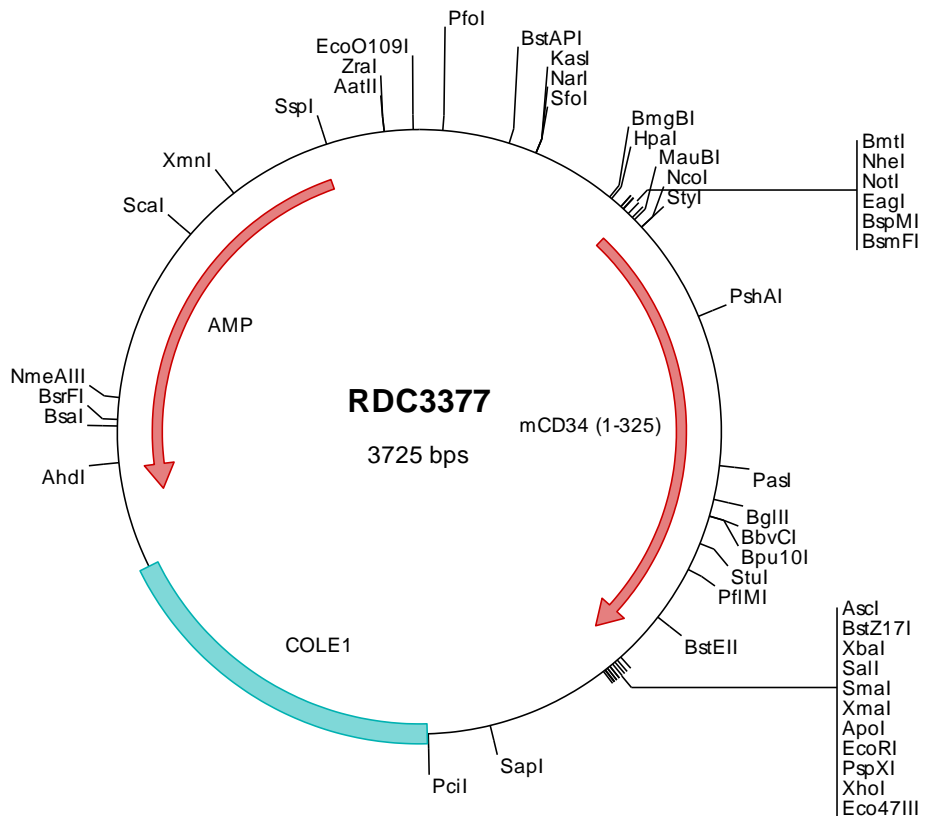
mCD34 cDNA Plasmid

Cd34 CD34 antigen [Mus musculus (house mouse)]

Also known as: AU040960

Summary:

CD34 is a single-pass membrane protein that is highly glycosylated and phosphorylated by protein kinase C. It may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3377 Plasmid DNA Sequence

```

1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgcatt  caggctcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccacc  atgcaggtcc  acagggacac  gcgctgctgc  ctctgctgc  catggcgtg
501  ggtagctctc  tgcctgatga  gtctgctgca  tctaataaac  ttgacttctg  ctaccacgga  gacttctaca  caaggaatat  ccccatcagt  tctaccaaat
601  gagtctgttg  aggaaaatat  cacatctagc  atccctggaa  gtaccagcca  ctacttgatc  tatcaggaca  gcagtaagac  cacaccagcc  atctcagaga
701  ctatggtaaa  ctttacagtt  acctctggga  tcccttcagg  ctctggaact  ccacacactt  tttcacaacc  acagacttcc  ccaactggca  tactgcctac
801  tacttcaaac  agtatttcca  cttcagagat  gacctggaag  tccagcctgc  catotataaa  tgtttctgat  tattcgcta  ataatacgag  ctttgagatg
901  acatcaccca  ccgagccata  tgettacaca  tcatcttctg  ctccagatgc  cattaaggga  gaaatcaaat  gctctggaat  ccgagaagtg  aggttggccc
1001 aggggatctg  cctggaacta  agtgaagcat  ctatgttga  ggagtttaag  aaggaaaagg  gagaagatct  aattcaaata  ctgtgtgaaa  aggaggagcc
1101 tgaggctgat  gctgggtgca  gtgtctgctc  cctgcttcta  gccagctctg  aggttaggcc  tgagtgtttg  ctgatggtct  tggccaatag  cacagaactt
1201 cccagcaaac  tccagcttat  ggaaaagcac  caatctgact  tgagaaagct  ggggatccaa  agcttcaata  aacaagatat  cgggagccac  cagagctatt
1301 ccgaaagac  tcttattgca  ttggtcacct  ctggagttct  gctggccaac  ttgggcaaca  ctggttattt  ctgctgcaac  cgtcgcagtt  ggagcctac
1401 agggaaaagg  ctggagctgg  aaccttaaag  gcgcccagat  ataactctaga  gtgcacaccc  ggggaattcc  tcgagcgcct  gtctctagct  tggcgtaatc
1501 atggtcatag  ctgtttctcg  tgtgaaattg  ttatccgctc  acaattccac  acaacatacg  agccggaagc  ataaagtgta  aagcctgggg  tgccaatgta
1601 gtgagctaac  tcacattaat  tgcgttgcgc  tcactgcccg  ctttccagtc  gggaaaacctg  tcgtgccagc  tgcattaatg  aatcggccaa  cgcgcgggga
1701 gaggcggttt  gcgtattggg  cgtcttccg  cttctcctgc  cactgactcg  ctgcgctcgg  tcggtcggct  gcgccgagcg  gtaacagctc  actcaaagcc
1801 ggtaatacgg  ttatccacag  aatccagggg  taacgcagga  aagaactatg  gagcaaaaag  ccagcaaaa  gccaggaacc  gtaaaaaggc  ccgcttgctg
1901 aggtttttcc  ataggctccg  ccccccagca  gagcatcaca  aaaatcgacg  ctcaagtcag  actgagtcag  aggtggcgaa  acccgacag  actataaaga
2001 ttccccctgg  aagctcctcc  tgcgctctc  ctgttccgac  cctgccctt  accggatacc  tgtccgctt  tctcccttcg  ggaagcgtgg  cgctttctca
2101 atgctcacgc  tgtaggatc  tcagttcggg  gtaggctggt  cgctccaaag  ggcagcagcc  actggttaaca  ggattagcag  agcgaggtat  gtaggcgtg
2201 ggtaactatc  gctttgagtc  caaccgggta  agacacgact  tatcgccact  tagaaggaca  gtatttggta  tctgcctct  gctgaagcca  gttaccttcg
2301 ctacagagtt  cttgaagtgg  tggcctaact  acggctacac  tagaaggaca  ggtggttttt  ttgtttgcaa  gcagcagatt  acgcgcagaa  aaaaaggatc
2401 tggtagctct  tgatccggca  aacaaaccac  cgctggtagc  ggtggttttt  ttgtttgcaa  gcagcagatt  acgcgcagaa  aaaaaggatc  tcaagaagat
2501 cctttgatct  tttctacggg  gtctgacgct  cagtggaaag  aaaactcacg  ttaagggatt  ttggtcatga  gattatcaaa  aaggatcttc  acctagatcc
2601 ttttaaatca  aaaatgaagt  tttaaatcaa  tctaaagtat  atatgagtaa  acttggctcg  acagttacca  atgcttaatc  agtgaggcac  ctatctcagc
2701 gatctgtcta  tttcgttcat  ccatagttgc  ctgactcccc  gtcgtgtaga  taactacgat  acgggagggc  ttaccatctg  gccccagtcg  tgcaatgata
2801 ccgcgagacc  cacgctcacc  ggtccagat  ttatcagcaa  taaaccagcc  agccggaagg  gccgagcgca  gaagtgttcc  tgcaacttta  tccgcctcca
2901 tccagcttat  taattgttgc  cgggaagcta  gagtaagtag  ttccagctgt  aatagtttgc  gcaacgttgt  tgccattgct  acagggcatcg  ttgtgtcagc
3001 ctctgctgtt  ggtatggctt  cactcagctc  cggttcccaa  cgatcaaggc  gagtacatg  atccccatg  ttgtgcaaaa  aagcgtttag  ctctctcgtt
3101 cctccgatcg  ttgtcagaag  taagttggcc  gcagtggtat  cactcatggt  tatggcagca  ctgcataatt  ctcttactgt  catgccatcc  gtaagatgct
3201 tttctgtgac  ttgtgagtag  tcaaccaagt  cattctgaga  atagtgtag  cggcgaccga  gttgtctctg  cccggcgtca  atacgggata  ataccgcgcc
3301 acatagcaga  actttaaaag  tgctcatcat  tggaaaacgt  tcttcggggc  gaaaactctc  aaggatctta  ccgctgttga  gatccagttc  gatgtaacc
3401 actcgtgcac  ccaactgatc  ttcagcatct  tttactttca  ccagcgtttc  tgggtgagca  aaaacaggaa  ggcaaatgca  cgcaaaaag  ggaataaggg
3501 cgacacggaa  atgttgaata  ctacatactc  tcttttttca  atattattga  agcatttatc  agggttattg  tctcatgagc  ggatacatat  ttgaatgtat
3601 ttgaaaaaat  aacaaaatag  ggttcccgcg  cacatttccc  cgaaaagtgc  caactgacgt  ctaagaaacc  attattatca  tgacattaac  ctataaaaat
3701 aggcgtatca  cgaggccctt  tcgtc

```

> RDC3377 Translated Insert Sequence

```

1   mqvhrdtrag  lllpwrwval  clmsllhlhn  ltsattetst  qgispsvptn  esveenitss  ipgstshyli  yqdsskttpa  isetmfvntv  tsgipsgsgt
101  phtfsqpqts  ptgilpttsd  sistsemtwk  sslpsinvsd  yspnsssfem  tsptepyayt  sssapsaikg  eikcsgirev  rlaqqic1el  seassceefk
201  kekgedliqi  lcekeeeead  agasvcslll  aqsevrpecl  lmvlanstel  psklqlmekh  qsdrlklgiq  sfnkqdigsh  qsysrktlia  lvtsgvllai
301  lgttgyflmn  rrswsptger  lelep

```