

Specifications:

Gene:	hCD6
Accession:	NP_006716
Insert size:	2020bp
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.

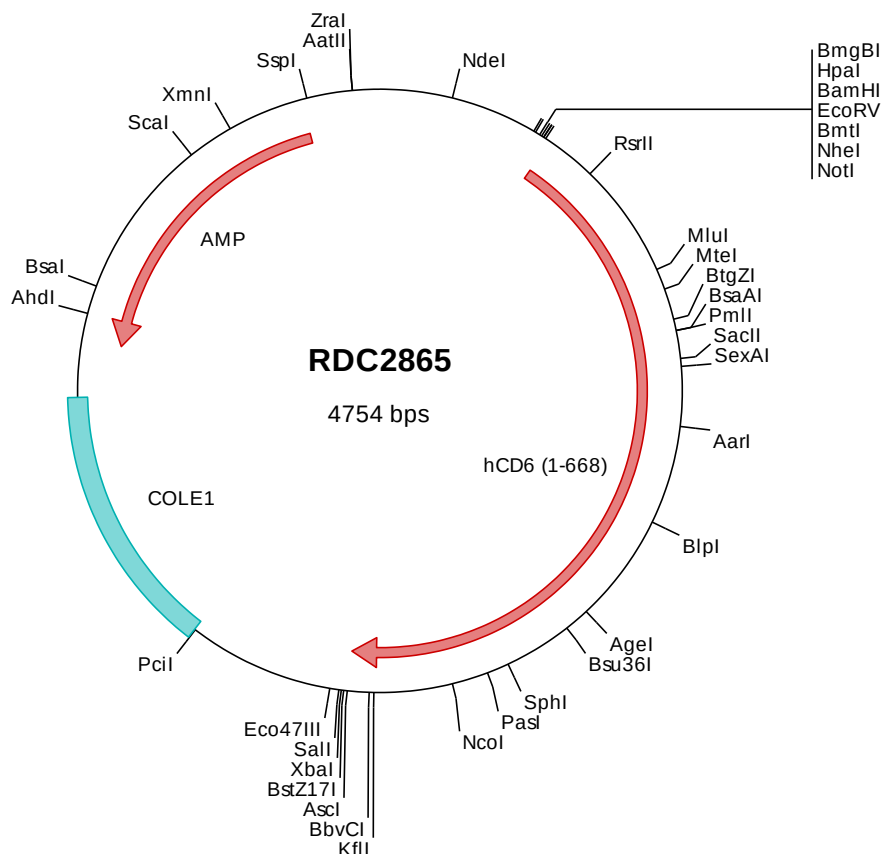
hCD6 cDNA Plasmid

CD6 CD6 molecule [*Homo sapiens* (human)]

Also known as: TP120

Summary:

CD6 is found on the outer membrane of T-lymphocytes as well as some other immune cells. It contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. CD6 is important for continuation of T cell activation. It may be associated with susceptibility to multiple sclerosis. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2865 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccgatc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcaccc  atgtggctct  tcttcgggat  cactggattg  ctgacggcag  ccctctcagg
501  tcatccatct  ccagccccc  ctgaccagct  caacaccagc  agtcgacaga  gtgagctctg  ggagccaggg  gagcggtctc  cgttcgctct  gacaaacggg
601  agcagcagct  gcagcgggac  ggtggagggt  cggctcgagg  cgtcctggga  gccgcgctgc  ggggcgctct  gggacagccg  cgcgcgcgag  gccgtgtgcc
701  gagcaactgg  ctgcggcggg  gcggagggcg  cctctcagct  cgcgcccgcg  acccctgagc  tgccgcggcc  gctgcaagcc  gggaaaccca  gcgttagcgc
801  taatgccact  ctggccgggg  cgcgcgcct  cctgtgcagc  ggccgcaggt  ggccgctctg  cgaggtggtg  gagcacgctg  gccgcagcga  cgggagggcg
901  gcccggtgca  cctgtgcaga  gaaccgcgcg  ctgcgcctgg  tggacggtg  cggcgctctg  gccggccgcg  tggagatgct  ggagcatggc  gagtggggat
1001  cagtgctgca  tgacacttgc  gacctggagg  acgcccacgt  ggtgtgcagg  caactgggct  cgggctgggc  agtcaggcc  agtcaggcc  tgcaactcac
1101  gcccgccgcg  gggcctatcc  accgggacca  ggtgaactgc  tcggggcgcg  aagcttacct  gtgggactgc  cgggggctgc  caggacagca  ctactcgccg
1201  cacaagagg  acgcgggcgc  ggtgtgctca  gagcaccagt  cctggcgctc  gagcgggggc  gctgacgctg  gcgaggggca  ggtggaggta  caactccgag
1301  gaaatctgaa  cagcagtggt  ggtacagtag  ggtacccagt  ggagggcaag  gtctcttggg  agtccttggg  ctgtggaact  cgtgttgaga  gggccaaagg
1401  gctgccccac  tocttgtctg  gcaggtatga  ctactcatgc  aatggggagg  agctcaccct  ctccaaactg  tcttggcggt  tcaacaactc  caactctctg
1501  agccagctgc  tggcagccag  ggtctctctg  tcagcttccc  ggagtttgca  caatctgtcc  actccogaag  tccctgcaag  tggttcagca  gtcactatag
1601  aatcttctgt  gacagtgaac  atagagaaca  aggaatctct  ggagctaatg  ctctctatgc  cctccatcgt  totgggaatt  ctctctcttg  gctccctcat
1701  ctctatagcc  ttcactctct  tgagaattaa  aggaaaaat  gccctcccg  taatggtgaa  ccaccagcac  ctaccoccca  ccatcccgcc  agggagcaat
1801  agctatcaac  cggctcccat  caccatcccc  aaagaagttt  tcatgtctgc  caactaggtc  caggcccgcg  cccctgagga  ctgactctgt  ggtctggact
1901  cagctataga  tgacacttgc  ttacgcgcgc  agcctcctgc  ggagctaacg  accctctaca  attccagcgc  gcacgggtgc  acagatgctg  gctccacaga
2001  aagcaggttc  cagatgcacc  ccttggagga  aggaacttga  gaggctgcat  cctccacatc  cccaaactgc  aacctgggac  actgacttac  agaccgcga
2101  tcctctgggc  ctcatgttca  ccgagggagc  aacagtgtgt  cgagcacctc  ttcaggggag  gattactgca  atagtcccaa  aagcaagctg  cctctatgga
2201  accccaggt  gttttcttca  gagagagatt  ccttctggga  gcgcgcacca  aactctgggc  tggcgggcac  ccagccagcc  ttctcagcag  gggcccaagg
2301  tgatgacagc  tccagcacct  ctcccgggga  gtggtaccag  aacttccagc  caccacccca  gccccctctg  gaggagcagt  ttggctgtcc  agggctcccc
2401  agccctcagc  ctgactccac  cgacaacgat  gactacagtg  acatcagctc  agctaaaagg  cgcccgagta  tactctagag  tcgacacccg  ggaattctct
2501  cgagcgctgc  tctctagctt  ggcgtaata  tggctatagc  tgtttctctg  gtgaaattgt  tatccgctca  caattccaca  caacatacga  gccggaagca
2601  taaagtgtaa  agcctgggtg  gcctaattag  tgagctaaat  cacattaatt  cgttctcgct  cactgcccgc  tttccagtcg  ggaacacctg  cgtgccagct
2701  gcattaatga  atcgcccaac  gcgcggggag  aggcggtttg  cgtatttgcg  atcttctcgc  ttctctcgct  actgactcgc  tgcgctcggt  gcttcgggtg
2801  cggcgagcgc  tatcagctca  ctcaaaaggc  gtaaatcagg  tatccacaga  atcaggggat  aacgcaggaa  agaacatgta  agcaaaaagg  cagcaaaaag
2901  ccaggaacgc  taaaaaggcc  gcgttgctgg  cgtttttcca  taggctccgc  ccccttgagc  agcatcacaa  aaatcgacgc  tcaagtacga  ggtgcccga
3001  ccgacacaga  ctataaagat  accagcgctt  tcocctcgct  agctccctcg  tgcgctctcc  tgttccgacc  ctgccgctta  ccgataacct  tccgcctttt
3101  ctccctctgc  gaagcgtggc  gctttctcaa  tgctcacgct  gtaggtatct  cagttcggtg  taggtcgttc  gctccaagct  gggctgtgtg  cacgaacccc
3201  cgttccagcc  cgaccgctgc  gccttatccg  gtaactatcg  tcttgagctc  aacccggtaa  gacacgactt  atcgccactg  gcagcagcca  ctggtaaacg
3301  gattagcaga  gcgaggtatg  taggcggtgc  taacagattc  ttgaagtgtg  ggcttaacta  cggctacact  agaaggacag  tatttggtat  ctgcgctctg
3401  ctgaagccag  ttactctcgg  aaaaagagtt  ggtagctctt  gatccggcaa  acaaaccacc  gctggtagcg  gtggtttttt  tggttgcaag  cagcagatta
3501  cgccgagaaa  aaaaggatct  caagaagatc  ctttgatctt  ttctacgggg  tctgacgctc  agtggaaacg  aaactcactg  taagggattt  tgggtcatga
3601  attatcaaaa  aggatcttca  cttagatcct  tttaaatata  aaatgaagtt  ttaaatcaat  ctaaaagtata  tatgagtaaa  cttggcttga  cagttaccaa
3701  tgcttaata  gtgaggcacc  tatctcagcg  atctgtctat  ttctgtctat  catagttgcc  tgactccccg  tcgtgtagat  aactacgata  cgggagggct
3801  taccatctgg  cccagtgct  gcaatgatac  cgcgagacc  acgctcacgc  gctccagatt  tatcagcaat  aaaccagcca  gccggaagg  ccgagcgcat
3901  aagtggctct  gcaactttat  ccgcctccat  ccagctctat  aattgttgcc  ggggaagctag  agtaagtagt  tcgccagtta  atagtttgct  caacgttgtt
4001  gccattgcta  caggcatcgt  ggtgtcacgc  tcgtcgtttg  gtatggcttc  attcagctcc  ggttcccaac  gatcaaggcg  agttacatga  tcccccatgt
4101  tgtgcaaaaa  agcgggttag  tccttcggtc  ctccgatcgt  gtgcagaagt  aagttggcgc  cagtggttat  actcatggtt  atggcagcac  tgcatatttc
4201  tcttactgtc  atgcoactcg  taagatgctt  ttctgtgact  ggtgagtagt  caaccaagtc  attctgagaa  tagtgtatgc  ggccagcag  ttgctcttgc
4301  ccggcgctca  tacgggataa  tacccgcgca  catagcagaa  ctttaaaagt  gctcatcatt  ggaaaacggt  cttcggggcg  aaaactctca  aggatcttac
4401  cgctgttgag  atccagttcg  atgtaaccca  ctctgtcacc  caactgatct  tcagcatctt  ttactttcac  cagcgtttct  ggtgagcaaa  aaacaggaag
4501  gcaaaatgcc  gcaaaaaagg  gaataaggcc  gacacggaaa  tggtgaatac  tcatactctt  cctttttcaa  tattattgaa  gcatttatca  ggtttattgt
4601  ctcatgagcg  gatacatatt  tgaatgtatt  tagaaaaata  acaaaatagg  ggttccgcgc  acatttcccc  gaaaagtgcc  acctgacgct  taagaaacca
4701  ttattatcat  gacattaacc  tataaaaaata  ggcgtatcac  gaggcccttt  cgtc

```

> RDC2865 Translated Insert Sequence

```

1  mwlfvgitgl  ltaalsghps  papdqlnts  saeselpwep  erlpvrltng  ssscsgtvev  rleaswepac  galwdsraae  avcralgcgg  aeaasqlapp
101  tpelppppaa  gntsvaanat  lagapallcs  gaewrlcevv  ehacrsdgr  arvtcaenra  lrlvdgggac  agrvemlehg  ewgsvcdtdw  dledahvvcr
201  qlgcgwavqa  lpglhftpg  gpihrdqvnc  sgaeaylwdc  pglpgghycg  hkedagavcs  ehqswrltgg  adrceggvve  hfrgwnvtvc  dsewypseak
301  vlcsqslgct  averpkglph  slsgrmyysc  ngeeltlscn  swrfnnslnc  sqslaarvlc  sasrslhnl  tpevpasvqt  vtieessvtvk  ienkesreim
401  llipsivlgi  lllgslifia  fillrikgyk  alpvmvnhqh  lpttipagsn  syqpvpitip  kevfmipiqv  qappedsds  gsdedyehyd  fsaqppvalt
501  tfynsqrrhr  tdeevqsrfr  qmppleegle  elhashipta  npghcitdpp  slgpqyhpr  nsesstssge  dyncspkskl  ppwnpqvfss  erssfleqpp
601  nlelagnqpa  fsagppadd  sstssgwyq  nfqpppppps  eeqfcpqgsp  spqpdstdnd  dyddisaa

```