

Specifications:

Gene:	hCD8B
Accession:	NP_004922
Insert size:	646bp
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.

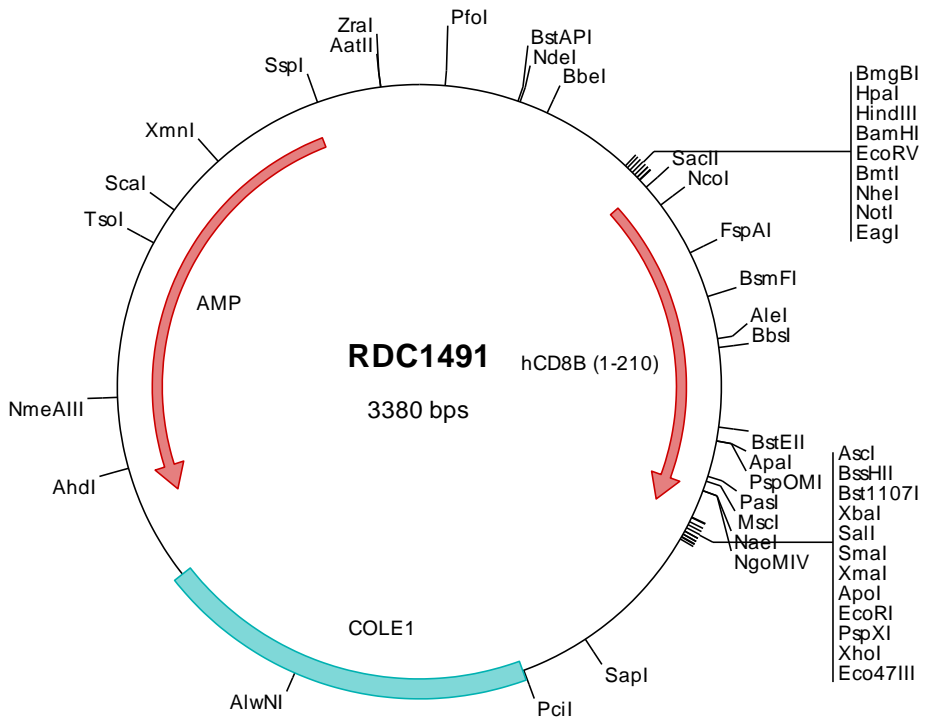
hCD8β cDNA Plasmid

CD8B CD8b molecule [*Homo sapiens* (human)]

Also known as: LY3; P37; LEU2; LYT3; CD8B1

Summary:

CD8 is a heterodimeric glycoprotein consisting of an alpha and beta chain. CD8B is the CD8 beta chain. It is expressed on cytolytic T cells and functions in conjunction with the T cell receptor in the recognition of MHC/peptide complexes. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1491 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacat  gcgtaaggag  aaaataccgc  atcaggcgcc  attgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  caagttgggt  acgccagggt  ttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccaacc  atgcgacccg  ggctgtggct  cctcctggcc  gcgcagctga  cagttotcca
501  tggcaactca  gtcctccagc  agaccctgc  atacataaag  gtgcaaaacca  acaagatggt  gatgtgtccc  tgcgaggcta  aaatctccct  cagtaacatg
601  cgcattact  ggctgagaca  gcgccaggca  ccgagcagtg  acagtcacca  cgagtctctg  gccctctggg  attccgcaa  agggactatc  caccgtgaag
701  aggtggaaca  gggaagata  gctgtgtttc  gggatgcaag  ccggttcatt  ctcaatctca  caagcgtgaa  gccggaagac  agtggcatct  acttctgcat
801  gatcgtcggg  agccccgagc  tgacctcgg  gaagggaact  cagctgagtg  ttgttgattt  ccttcccacc  actgcccagc  ccaccaagaa  gtcccacctc
901  aagaagagat  tgtgocggtt  acccaggcca  gagaccaga  agggcccact  ttgtagcccc  atcacccttg  gctgtgtggt  ggtggtgctc  ctggtttctg
1001 tggtttccct  gggagtggcg  atccaactgt  gctgccggcg  gaggagagcc  oggcttcggt  tcatgaaaca  attttaciaa  taaaggcgcg  ccagtatact
1101 ctagagtcca  caccocggga  attcctcgag  cgtcgtcttc  tagcttggcg  taatcatggt  catagctggt  tccctgttga  aattggtatc  cgctcacaat
1201 tccacacaa  atacgagccg  gaagcataaa  gtgtaaagcc  tgggggtgct  aatgagttag  ctaactcaca  ttaattgctg  tgcgctcact  gcccgcttcc
1301 cagtccggaa  acctgtcgtg  ccagctgcat  taatgaatcg  gccaacgcgc  ggggagaggg  ggtttgcgta  ttggcgctc  ttccgcttcc  tcgctcactg
1401 actcgtcgcg  ctcggctggt  cggctgcgpc  gaggcgtatc  agctcactca  aagggcgtaa  tacggttatt  cacagaatca  ggggataaac  caggaaagaa
1501 catgtgagca  aaaggccagc  aaaaggccag  gaaccgtaaa  aagggccgct  tgctggcgtt  ttccatagc  ctccgcccc  ctgacgagca  tcacaaaaat
1601 cgacgctcaa  gtcagaggtg  gcgaaacccg  acaggactat  aaagatacca  ggcggttccc  cctggaagct  ccctcgtcgc  ctctcctggt  ccgacctcgc
1701 cgcttaccgg  atacctgtcc  gcctttctcc  cttcgggaag  cgtggcgctt  tctcaatgct  cacgctgtag  gtatctcagt  tccggttagg  tcggttcgctc
1801 caagctgggc  tgtgtgcacg  aacccccctg  tcagcccagc  cgctgcgctt  tatccggtaa  ctatcgtctt  gactccaacc  ccgtaagaca  cgacttatcg
1901 ccaactggcag  cagccactgg  taacaggatt  agcagagcga  ggtatgtagg  cgggtgtaca  gagttcttga  agtgggtggc  taactacggc  taactagaaa
2001 ggacagtagt  tggtatctgc  gctctgctga  agccagttac  cttcggaaaa  agagttggta  gctcttgatc  cggcaaaaa  accaccgctg  gtacgggtgg
2101 tttttttggt  tgcaagcagc  agattaccgc  cagaaaaaaa  ggatctcaag  aagatccttt  gatcttttct  acggggtctg  agctcagtg  gaacgaaaa
2201 tcacgttaag  ggattttggt  catgagatta  tcaaaaaagg  tottcaccta  gatcctttta  aattaaaaat  gaagttttaa  atcaatctaa  agtataatg
2301 agtaaaactg  gtctgacagt  taccaatgct  taatcagtag  ggcacctatc  tcagcgatct  gtctatttct  ttcatccata  gttgcctgac  tccccctcgt
2401 gtagataact  acgatacggc  agggcttacc  atctggcccc  agtgcgtcaa  tgataccgcg  agaccaccgc  tcaccgctc  cagatttatt  agcaataaac
2501 cagccagccg  gaagggccga  gcgcagaagt  ggtcctgcaa  ctttatccgc  ctccatccag  tctattaatt  gttgccggga  agctagagta  agtagttcgc
2601 cagttaatag  tttgccaacc  gttgttgcca  ttgctacagc  catcgtgtgt  tcacgctcgt  cgtttgggat  ggcttcattc  agctccggtt  cccaacgatac
2701 aagggcaggt  acatgatccc  ccaatgtgtg  caaaaaagcg  gttagctctc  tcggctcctc  gatcgtttgt  agaagtaagt  tggccgagct  gttatcactc
2801 atggttatgg  cagcaactga  taattctctt  actgtcatgc  catccgtaag  atgcttttct  gtgactggtg  agtaactaac  caagtattc  tgagaatagt
2901 gtatcggcgc  accgagttgc  tcttcccgg  cgtcaatacg  ggataatacc  gcgccacata  gcagaacttt  aaaagtgtc  atcattggaa  aacgttcttc
3001 gggcgcaaaa  ctctcaagga  tcttaccgct  gttgagatcc  agttcagatg  aacccactcg  tgccaccaac  tgatcttcag  catcttttac  tttaccagc
3101 gtttctgggt  gagcaaaaa  aggaaggcaa  aatgccgcaa  aaaagggaa  aagggcgaca  cggaaatgtt  gaatactcat  actcttccct  tttcaatatt
3201 attgaagcat  ttatcagggt  tattgtctca  tgagcggata  catattttaa  tgtatttaga  aaaataaaca  aataggggtt  ccgcgcat  tttcccga
3301 agtgccacct  gacgtctaag  aaaccattat  tatcatgaca  ttaacctata  aaaaatggcg  tatcagagc  cccttctgct

```

> RDC1491 Translated Insert Sequence

```

1   mrprlwl11a  aqltvlhngs  vlqqtpayik  vqtnkmvmls  ceakislsnm  riywlrqrqa  pssdshhefl  alwdsakgti  hgeveqeki  avfrdasrfi
101  lnltsvkped  sgiyfcmiyg  speltfgkgt  qlsvdvlflp  taqptkkstl  kkrvcr1prp  etqkqplcsp  itlgllvagv  lvllvslgva  ihlccrrrra
201  rlrfrmkyfyk

```