*cr*CD8α VersaClone cDNA

Catalog Number: RDC0871

Specifications:

Gene:	*cr*CD8a
Accession:	AAL55392
Insert size:	721bp
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

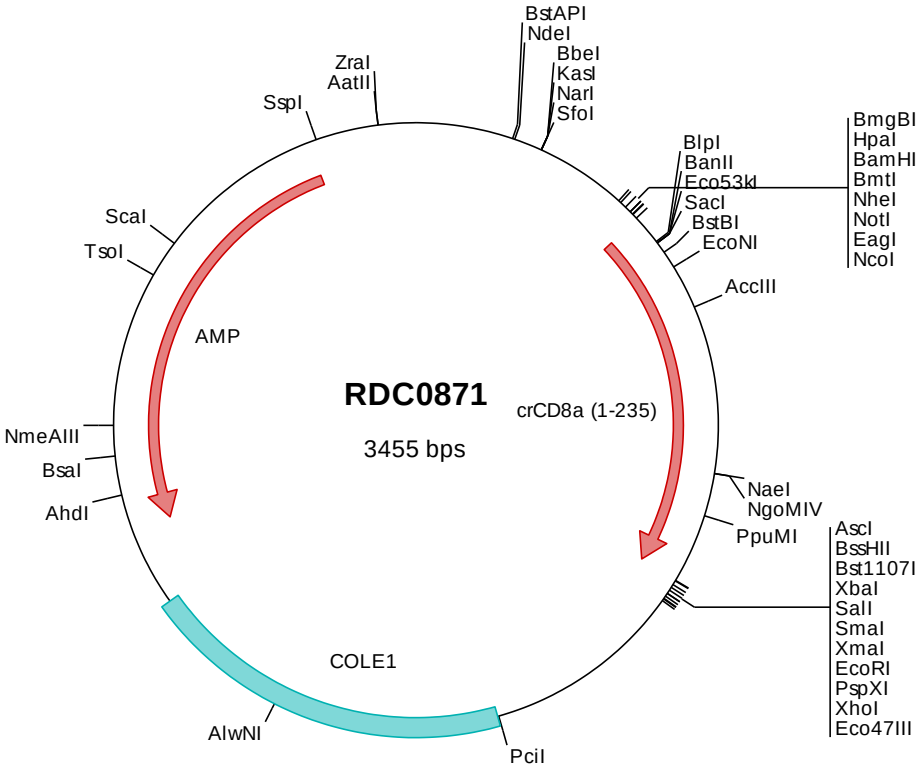
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cr*CD8α cDNA Plasmid

CD8-alpha [Sigmodon hispidus (cotton rat)]

Also known as: OX8, Leu-2, Lyt-2

Summary:
CD8 alpha is a member of the Ig superfamily of molecules. It is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. CD8 alpha functions in conjunction with the T cell receptor in the recognition of MHC/peptide complexes. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0871 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 atggcccctc gggtgacccg ctttctgtgc ctgaccctgc tgctggaatt
 501  tatcgctgag ctcggaggct cgaaagattt cgaaatgtct cctaagaagg tggtcgccca ccttggcaag gaggtgaggc taacatgcga agtgtgggtg
 601  tctacttcgc aaggatgctc ttggctcttc ctggagcatg gctccggagt taaacccact ttcctcatct atctctctgg gagccgcaac gaacggaata
 701  acaaaatacc ttcaactaag ctatctggga agaaggaaga caaaaagtac accctcaccc tgaataattt tgctaaggaa gacgaaggct actatttctg
 801  ctctgtcaca agcaactcgg tggtgtactt cagtcctctc gtgtcggtct ttctgccaga gaaacctacc acaccagtgc cgaaaccacc cacatcagtg
 901  cccactacgg cgatatctcg gtccctgcga ccagaagctt gccgacctgg agccggcacc tcagtggaga agaagggatg ggacttcgac tgtgatatca
1001  tcattttggc acccttagct ggactctgtg gggtccttct gctgtctctg gtcaccacac tcatctgctg ccacaggaac agaaaacgag tctgcaaatg
1101  ccccaggccc gtggtcagac aaggaggcaa gcccagccct tcagggaaac tcgtataaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc
1201  tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc
1301  ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc
1401  tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct
1501  gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag
1601  gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa
1701  acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc tgtccgcctt
1801  tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc
1901  cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc actggtaaca
2001  ggattagcag agcgaggtat gtaggcggtg ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta tctgcgctct
2101  gctgaagcca gttaccttcg gaaaaagagt tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt
2201  acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt ttggtcatga
2301  gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg acagttacca
2401  atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc
2501  ttaccatctg gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca
2601  gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt
2701  tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg atcccccatg
2801  ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca ctgcataatt
2901  ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg
3001  cccggcgtca atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta
3101  ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa
3201  ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttttca atattattga agcatttatc agggttattg
3301  tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc
3401  attattatca tgacattaac ctataaaaat aggcgtatca cgaggccctt tcgtc
```

> RDC0871 Translated Insert Sequence

```
  1  maprvtrflc ltlllefiae lggskdfems pkkvvahlgk evrltcevwv stsqgcswlf lehgsgvkpt fliylsgsrn ernnkipstk lsgkkedkky
101  tltlnnfake degyyfcsvt snsvvyfspl vsvflpekpt tpvpkpptsv pttaisrslr peacrpgagt svekkgwdfd cdiiilapla glcgvlllsl
201  vttlicchrn rkrvckcprp vvrqggkpsp sgklv
```