

Specifications:

Gene:	<i>cynoCEACAM8</i>
Accession:	XP_005589423.1
Insert size:	1063bp
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

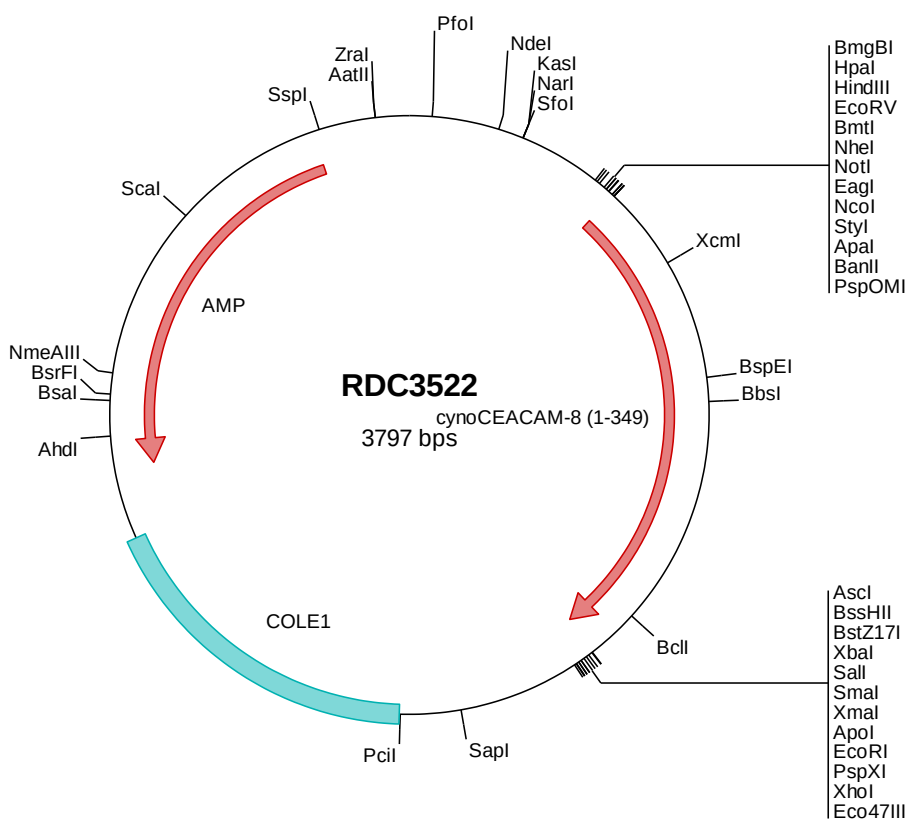
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

cynoCEACAM-8/CD66b cDNA Plasmid

**CEACAM8 CEA cell adhesion
molecule 8 [*Macaca fascicularis*
(crab-eating macaque)]**

Summary:

CEACAM-8 is a member of the family of carcinoembryonic antigen-related cell adhesion molecules. It is expressed by neutrophils and eosinophils, and serves as a binding partner for CEACAM-6 and Galectin3. Mature human CEACAM-8 is a GPI-linked glycoprotein and contains one V-type and two C2-type Ig-like domains. CEACAM-8 is also expressed in leukocytes of chronic myeloid Leukemia patients.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3522 Plasmid DNA Sequence

```

1  tcgcgcgttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggaatgtctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccaac  atggggccca  tttcagcccc  tccctgcaga  tgggtgcatt  cctggcagga
501  gctgctgctc  acagccctac  ttttcacctt  ctggaaccca  cccaccactg  cccagctcac  tattgaagct  gtgccatcca  atgctgcaga  ggggaaggaa
601  gtttctctac  ttgtccacaa  tctgccccag  gacctcttct  gctacaactg  gtacaaaggg  gaaacggttg  acgccaatcg  tcgaattata  ggatatgtaa
701  tagcaactca  agtaaatatc  tcagggcctg  cagacagcgg  tcgagagaca  atatacccca  atgcaaccct  gctgatgcag  aacgtcacca  gaaatgacac
801  aggatcctac  accctacaag  tcataacgct  aaatcttctg  aatgaagaag  taactggcca  attcagcgta  catccggaga  ctcccaagcc  ctccatctcc
901  agcaacaact  ccaatcccg  ggaagacagg  gatgctgttg  ccttaacctg  tgaacctgag  actcagaaca  caacctacct  gtggtgggta  aatggtcaga
1001  gctcccggt  cagtcocagg  ctgcagctct  ccgatggcaa  caggaccctc  actctactca  atgtcacaag  gaatgacaca  ggacctatg  agtgtgaaat
1101  acagaacca  gtgagtgta  acttcagtga  tccagtcacc  ctgaatgtcc  tctatggccc  agatgcccc  aacatttccc  cttcagacac  ctattacctt
1201  ccagggttaa  atctcaacct  ctctgccat  cgggcctcta  atccactggc  acagtattct  tggctgttca  atggcacatt  ccagcaaac  acacaaaacc
1301  tctttatcac  caacatcact  gcaagaaca  gcggatccta  tgcctgcat  gcactaacct  cagccaactg  ccacaacggg  accacagcca  ggatgatcac
1401  agtctctgat  gcttcagtac  aagggaagtc  tctctggctc  tcagctaggg  ccactgtcag  catcatgatt  ggaatacttg  ctagggtggc  tctgacataa
1501  aggcggcgca  gtatactcta  gactcgacac  ccggggaatt  cctcgagcgc  tcgtctctag  cttggcgtaa  tcatggctcat  agctgtttcc  tgtgtgaaat
1601  tgttatccgc  tcacaattcc  acacaacata  cgagccggaa  gcataaagt  taaggcctgg  ggtgccta  gagtgagcta  actcacatta  attgctttgc
1701  gctcactgcc  cgctttccag  tcgggaaacc  tgtcgtgcca  gctgcattaa  tgaatcgccc  aacgcgcggg  gagaggcggt  ttgctgattg  gccgctcttc
1801  cgcttctctg  ctaactgact  cgtgcgctc  ggtcgttcgg  ctgcggcgag  cggtatcagc  tcaactaaa  gcggtaatac  ggttatccac  agaactcagg
1901  gataacgcag  caaagaacat  gtgagcaaaa  ggccagcaaa  aggcaggaaa  cggtaaaaa  gcccggttgc  gcccgttttt  ccataggtct  gcccccctg
2001  acgagcatca  caaaaatcga  cgctcaagtc  agaggtggcg  aaacccgaca  ggactataaa  gataccaggc  gtttccccct  ggaagctccc  tctgtcgctc
2101  tctgttccg  accctggccc  ctctccgata  ctctgcctc  tttctccctt  gccgaagcgt  ggcgctttct  caatgtctac  gctgtaggta  tctcagttcg
2201  gtgtaggtcg  ttctgtccaa  gctgggtctg  gtgcacgaac  cctcccttca  gcccgaccgc  tgcgctttat  tgcgctttat  tgcgtttgag  tccaaccccg
2301  taagacacga  cttatcgcca  ctggcagcag  ccaactggtaa  caggattagc  agagcgaagt  atgtaggcgg  tgctacagag  ttcttgaagt  ggtggcctaa
2401  ctacggctac  actagaagga  cagtatttgg  tatctgcgct  ctgctgaagc  cagttacctt  cggaaaaaga  gttggtagct  cttgatccgg  caaacaacc
2501  accgctggta  gcggtggttt  ttttgtttgc  aagcagcaga  ttacgcgcag  aaaaaaagga  tctcaagaag  atcctttgat  cttttctacg  gggctctgacg
2601  ctacgtggaa  cgaaaactca  cgttaaggga  ttttggctat  gagattatca  aaaaggatct  tcacctagat  ccttttaaat  taataatgaa  gttttaaatc
2701  aatctaaagt  atatagtgt  aaactgtgtc  tgacagttac  caatgcttaa  tcagtggagg  accatctca  cgcactgttc  cccacgctca  ccggtctccag
2801  gcctgactcc  ccgtcgtgta  gataactacg  atacgggagg  gcttaccatc  tggccccagt  gctgcaatga  taccgcgaga  cccacgctca  ccggtctccag
2901  atttatcagc  aataaacagg  ccagccggaa  gggccgagcg  cagaagtgtt  cctgcaactt  tatccgcctc  catccagctc  attaatgtgt  gccgggaagc
3001  tagagtaagt  agttcgccag  ttaatatgtt  gcgcaacgct  gttgccattg  ctacaggcat  cgtggtgtca  cgctcgctcg  ttggtatggc  ttcattcagc
3101  tccggttccc  aacgatcaag  gcgagttaca  tgatccccc  tgttgtgcaa  aaaagcggtt  agctccttgc  gtcctccgat  cgttgtcaga  agtaagtgtg
3201  ccgcagtggt  atcactcatg  gttatggcag  cactgcataa  ttctcttact  gtcatgccat  ccgtaagatg  cttttctgtg  actggtgagt  actcaaccaa
3301  gtcattctga  gaatagtgt  tgcggcgacc  gagttgctct  tgcccggcgt  caatacggga  taataccgcg  ccacatagca  gaactttaaa  agtgctcatc
3401  attggaaaac  gttcttcggg  gcgaaaactc  tcaaggatct  tacgcgtgtt  gagatccagt  tcgatgtaac  ccactcgtgc  acccaactga  tcttcagcat
3501  cttttacttt  caccagcgtt  tctgggtgag  caaaaacagg  aaggcaaaat  gccgcaaaaa  agggaaataa  ggcgacacgg  aaatggtgaa  tactcatact
3601  cttccttttt  caatattatt  gaagcattta  tcagggttat  tgtctcatga  gcggatcacat  atttgaatgt  atttagaaaa  ataaacaaat  aggggttccg
3701  cgcacatttc  ccgaaaaagt  gccacctgac  gtctaagaaa  ccattattat  catgacatta  acctataaaa  ataggcggtat  cagcaggccc  tttcgtc

```

> RDC3522 Translated Insert Sequence

```

1  mgpisappcr  wcipwqelll  taslftfwnp  pttaqtltiea  vpsnaaegke  vlllvhnlpq  dplgynwykg  etvdanrrii  gyviatqvni  sgpadscret
101  iypnatllmq  nvtrndtgsy  tlqvltlnlv  neevtgqfsv  hpetpkpsis  snnsnpvedr  davaltcepe  tqnttylwwv  ngqslpvsp  r lqlsdgnrtl
201  tllnvtrndt  gpyeceiqnp  vsvnfspvpt  lnlvlypdp  nispdtyyl  pgvnlnlsh  aasnplaqys  wsvngtfqgh  tqnlflpni  t aknsgsyach
301  atnsatghng  ttvrmitsvd  asvqgsspgl  saratvsimi  gilarvailt

```