*h*CD83 VersaClone cDNA

Catalog Number: RDC1369

Specifications:

Gene:	*h*CD83
Accession:	NP_004224
Insert size:	631bp
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

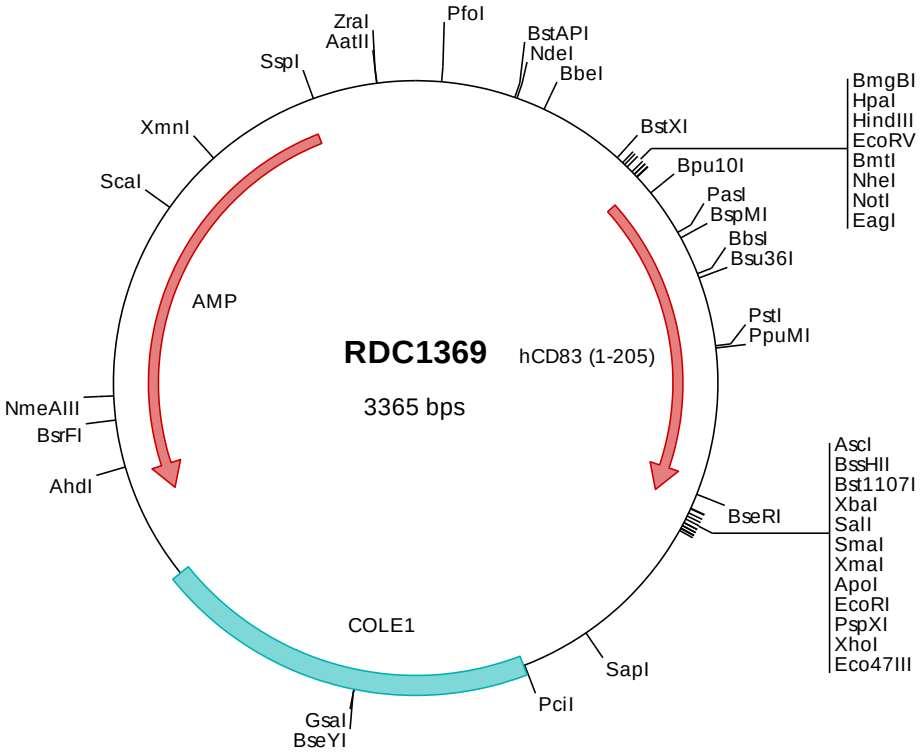
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CD83 cDNA Plasmid

CD83 CD83 molecule [*Homo sapiens* (human)]

Also known as: BL11; HB15

Summary:
CD83 is a member of the Siglec (or sialic acid binding immunoglobulin like lectin) family of transmembrane proteins. Except for dendritic cells, CD83 expression is often transient. CD83 binds to sialic acids on target cells. Membrane CD83 appears to promote T cell proliferation, particularly of $CD8^+$ cytotoxic T cells. Soluble CD83, however, appears to be immunosuppressive and blocks T cell activation. On monocytes, CD83 is suggested to drive monocytes into a fibrocyte phenotype. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1369 Plasmid DNA Sequence

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   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 atgtcgcgcg gcctccagct tctgctcctg agctgcgcct acagcctggc
 501  tcccgcgacg ccggaggtga aggtggcttg ctccgaagat gtggacttgc cctgcaccgc cccctgggat ccgcaggttc cctacacggt ctcctgggtc
 601  aagttattgg agggtggtga agagaggatg gagacacccc aggaagacca cctcagggga cagcactatc atcagaaggg gcaaaatggt tctttcgacg
 701  cccccaatga aaggccctat tccctgaaga tccgaaacac taccagctgc aactcgggga catacaggtg cactctgcag gacccggatg ggcagagaaa
 801  cctaagtggc aaggtgatct tgagagtgac aggatgccct gcacagcgta aagaagagac ttttaagaaa tacagagcgg agattgtcct gctgctggct
 901  ctggttattt tctacttaac actcatcatt ttcacttgta agtttgcacg gctacagagt atcttcccag atttttctaa agctggcatg gaacgagctt
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1101  ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg
1201  agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg
1301  tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg
1401  tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg
1501  ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac gagcatcaca aaaatcgacg ctcaagtcag
1601  aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc
1701  tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt
1801  gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc
1901  actggtaaca ggattagcag agcgaggtat gtaggcggtg ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta
2001  tctgcgctct gctgaagcca gttaccttcg gaaaaagagt tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa
2101  gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt
2201  ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg
2301  acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat
2401  acgggagggc ttaccatctg gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg
2501  gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc
2601  gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg
2701  atcccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca
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3001  aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca
3101  aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttttca atattattga agcatttatc
3201  agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt
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> RDC1369 Translated Insert Sequence

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101  nsgtyrctlq dpdgqrnlsg kvilrvtgcp aqrkeetfkk yraeivllla lvifyltlii ftckfarlqs ifpdfskagm eraflpvtsp nkhlglvtph
201  ktelv
```