*h*Siglec-3/CD33 VersaClone cDNA

Catalog Number: RDC1477

Specifications:

Gene:	*h*CD33
Accession:	NP_001763
Insert size:	1108bp
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

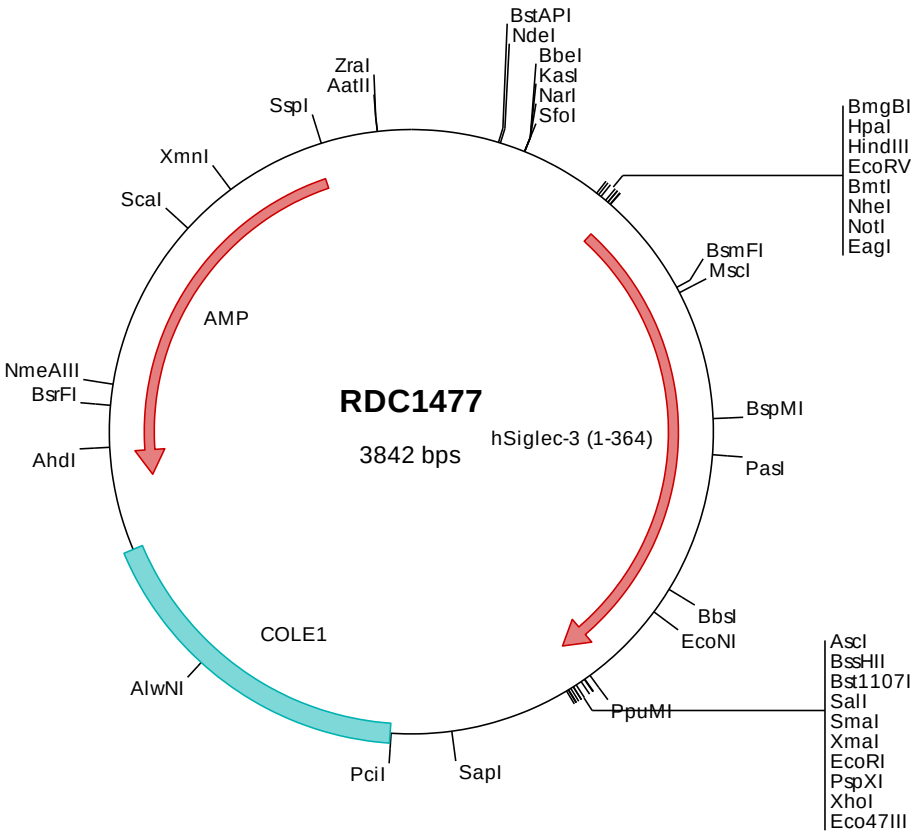
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Siglec-3/CD33 cDNA Plasmid

CD33 CD33 molecule [*Homo sapiens* (human)]

Also known as: p67; SIGLEC3; SIGLEC-3

Summary:
Siglec-3 is a member of the immunoglobulin superfamily. It binds sialic acid preferring α2,3-linkage over α2,6- linkage. In the immune response, Siglec-3 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1477 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 atgccgctgc tgctactgct gcccctgctg tgggcagggg ccctggctat
 501  ggatccaaat ttctggctgc aagtgcagga gtcagtgacg gtacaggagg gtttgtgcgt cctcgtgccc tgcactttct tccatcccat accctactac
 601  gacaagaact ccccagttca tggttactgg ttccgggaag gagccattat atccagggac tctccagtgg ccacaaacaa gctagatcaa gaagtacagg
 701  aggagactca gggcagattc cgcctccttg gggatcccag taggaacaac tgctccctga gcatcgtaga cgccaggagg agggataatg gttcatactt
 801  ctttcggatg gagagaggaa gtaccaaata cagttacaaa tctccccagc tctctgtgca tgtgacagac ttgacccaca ggcccaaaat cctcatccct
 901  ggcactctag aacccggcca ctccaaaaac ctgacctgct ctgtgtcctg ggcctgtgag cagggaacac ccccgatctt ctcctggttg tcagctgccc
1001  ccacctccct gggccccagg actactcact cctcggtgct cataatcacc ccacggcccc aggaccacgg caccaacctg acctgtcagg tgaagttcgc
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1601  tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag
1701  cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat
1801  cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta
1901  tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta
2001  aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact
2101  ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct cccttcggga
2201  agcgtggcgc tttctcaatg ctcacgctgt aggtatctca gttcggtgta ggtcgttcgc tccaagctgg gctgtgtgca cgaaccccc gttcagcccg
2301  accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc
2401  gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt
2501  accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa
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2901  ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc
3001  aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca
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3601  aaaaaaggga ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga
3701  tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga
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> RDC1477 Translated Insert Sequence

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 201  prpqdhgtnl tcqvkfagag vttertiqln vtyvpqnptt gifpgdgsgk qetragvvhg aiggagvtal lalclcliff ivkthrrkaa rtavgrndth
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```