*m*NCAM-1/CD56 VersaClone cDNA

Catalog Number: RDC2716

Specifications:

Gene:	*m*Ncam1
Accession:	NP_001106675
Insert size:	3361bp
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

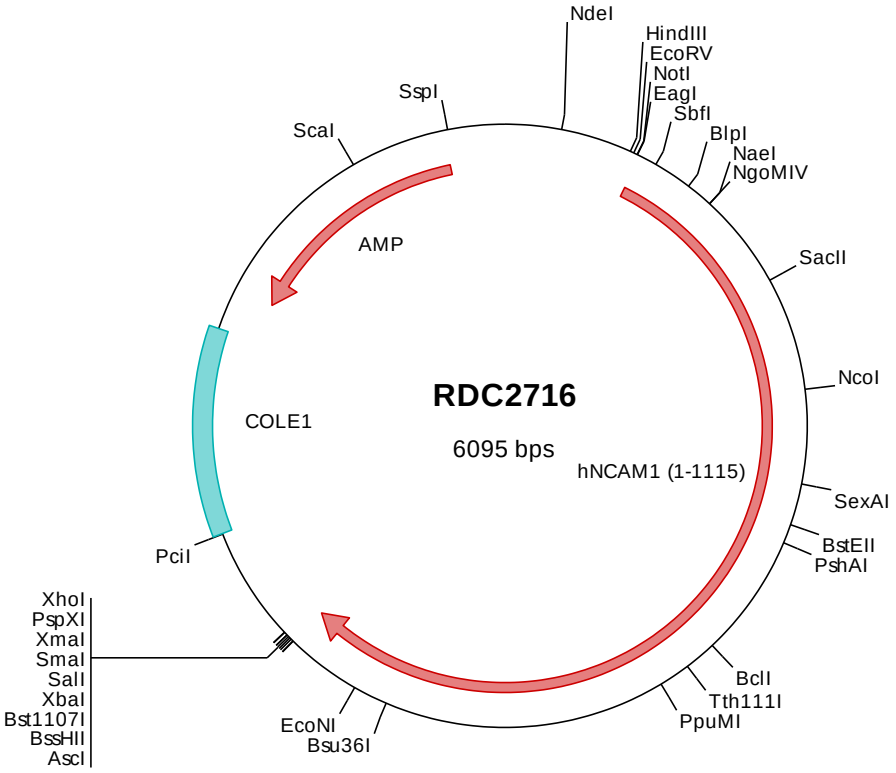
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*NCAM-1/CD56 cDNA Plasmid

Ncam1 neural cell adhesion molecule 1 [*Mus musculus* (house mouse)]

Also known as: CD56; Ncam; E-NCAM; NCAM-1

Summary:
NCAM1 is a cell adhesion protein and a member of the immunoglobulin superfamily. It is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. NCAM1 has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2716 Plasmid DNA Sequence

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 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
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 501  agtttccctg caggtagata ttgttcccag ccaaggagaa atcagcgttg gagagtccaa attcttcctg tgtcaagtgg caggagatgc caaagataag
 601  gacatctcct ggttctcccc caatggggag aagctgagcc caaaccagca gcggatctca gtggtgtgga atgatgacga ctcctctacc ctcaccatct
 701  acaacgccaa catcgacgat gccggcatat acaagtgtgt ggtcacggct gaggacggca cccagtctga ggccactgtc aacgtgaaga tcttccagaa
 801  gctcatgttc aagaatgcac caaccccaca ggagtttaag gaaggggagg atgctgtgat tgtctgtgat gtggtcagct ccctgcctcc aaccatcatc
 901  tggaaacaca aaggccgaga tgtcattctg aaaaaagacg tccggttcat agtcctgtcc aacaactacc tgcagatcag gggcatcaag aaaacgatg
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1701  ttgggaaggg aaccaggtga acatcacctg tgaggtcttc gcctacccaa gtgccacaat ctcctgttc cgagatggtc agttgctgcc aagctccaac
1801  tacagcaata tcaagatcta caacacccca tctgctagct atctggaggt gacccctgat tcagaaaatg actttggaaa ctacaactgt acagcagtga
1901  accgtattgg acaggagtcc ttggaattca tccttgttca agcagacaca ccgtcttctc catccattga ccgggtggaa ccatactcca gcacagcgca
2001  ggtgcagttt gatgagccag aggccacagg gggcgtgccc attctcaagt acaaggctga gtggaagtcg ctgggcgaag aatcctggca tttcaagtgg
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2701  ggcaaagctg ggcccggagc caagggcaaa gacatggagg agggcaaggc tgctttctcg aaagatgagt caaaagaacc cattgtggag gtccgaacgg
2801  aggaagaacg gactccaaac catgatgggg ggaagcacac agagcccaac gagaccacgc cgctgacaga acccgagctg cctgccgaca ccacagccac
2901  tgtcgaggac atgctgcctt ctgtcaccac cgtcaccact aactctgaca ctatcaccga aacctttgcc actgctcaga acagccctac cagtgagacc
3001  actacactga cctccagtat tgccccaccg gccacaactg tgccagactc aaattctgtg cccgctggtc aggccacccc ttccaagggt gtcactgctt
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3701  ctgagccccc ggagtcagaa gccaagccag cgccaactga agtcaagacg gtccccaacg atgccacaca aacaaaagag aatgagagca aagcataaag
3801  gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg
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5801  tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct
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6001  cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat aggcgtatca cgaggccctt tcgtc
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> RDC2716 Translated Insert Sequence

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 101  edgtqseatv nvkifqklmf knaptpqefk egedavivcd vvsslpptii wkhkgrdvil kkdvrfivls nnylqirgik ktdegtyrce grilargein
 201  fkdiqvivnv pptvqarqsi vnatanlgqs vtlvcdadgf peptmswtkd gepieneeed dekhifsdds seltirnvdk ndeaeyvcia enkagequas
 301  ihlkvfakpk ityvenqtam eleeqvtltc easgdpipsi twrtstrnis seektldghm vvrsharvss ltlksiqytd ageyictasn tigqdsqsmy
 401  levqyapklq gpvavytweg nqvnitcevf aypsatiswf rdgqllpssn ysnikiyntp sasylevtpd sendfgnync tavnrigqes lefilvqadt
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 601  epsapklegq mgedgnsikv nlikqddggs pirhylvkyr alasewkpei rlpsgsdhvm lksldwnaey evyvvaenqq gkskaahfvf rtsaqptaip
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