*h*VCAM-1/CD106 VersaClone cDNA

Catalog Number: RDC1838

Specifications:

Gene:	*h*VCAM1
Accession:	NP_001069
Insert size:	2233bp
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

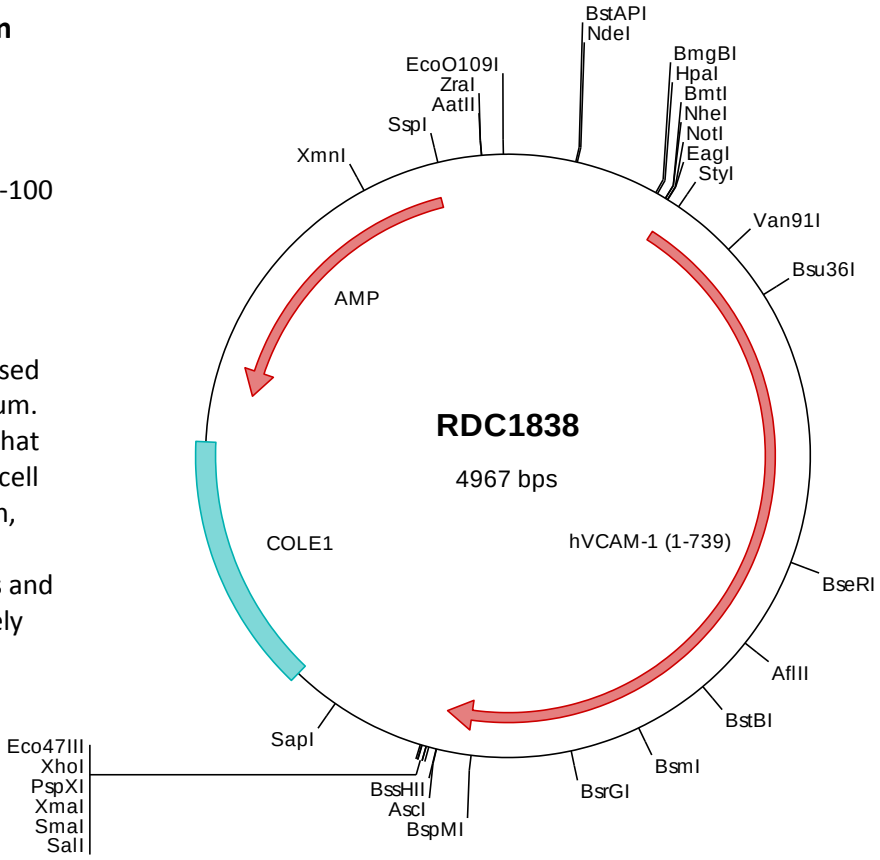
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*VCAM-1/CD106 cDNA Plasmid

VCAM1 vascular cell adhesion molecule 1 [*Homo sapiens* (human)]

Also known as: CD106; INCAM-100

Summary:
VCAM1 is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. It is a type I membrane protein that mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of artherosclerosis and rheumatoid arthritis. Alternatively spliced transcripts encoding different proteins have been described.



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NOT FOR USE IN HUMANS

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> RDC1838 Plasmid DNA Sequence

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 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 atgcctggga agatggtcgt gatccttgga gcctcaaata tactttggat
 501  aatgtttgca gcttctcaag cttttaaaat cgagaccacc ccagaatcta gatatcttgc tcagattggt gactccgtct cattgacttg cagcaccaca
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 701  ctgttagttt tgggaacgaa cactcttacc tgtgcacagc aacttgtgaa tctaggaaat tggaaaaagg aatccaggtg gagatctact cttttcctaa
 801  ggatccagag attcatttga gtggccctct ggaggctggg aagccgatca cagtcaagtg ttcagttgct gatgtatacc catttgacag gctggagata
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1001  ctgtcattga ggatattgga aaagttcttg tttgccgagc taaattacac attgatgaaa tggattctgt gcccacagta aggcaggctg taaaagaatt
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1401  ctcccctgga ccccggattg ctgctcagat tggagactca gtcatgttga catgtagtgt catgggctgt gaatccccat ctttctcctg gagaacccag
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1701  tgggagctct gtcactgtaa gctgcaaggt tcctagcgtg taccccctg accggctgga gattgaatta cttaaggggg agactattct ggagaatata
1801  gagtttttgg aggatacgga tatgaaatct ctagagaaca aaagtttgga aatgaccttc atccctacca ttgaagatac tggaaaagct cttgtttgtc
1901  aggctaagtt acatattgat gacatggaat tcgaacccaa acaaaggcag agtacgcaaa cactttatgt caatgttgcc cccagagata caaccgtctt
2001  ggtcagccct tcctccatcc tggaggaagg cagttctgtg aatatgacat gcttgagcca gggctttcct gctccgaaaa tcctgtggag caggcagctc
2101  cctaacgggg agctacagcc tctttctgag aatgcaactc tcaccttaat ttctacaaaa atggaagatt ctggggttta tttatgtgaa ggaattaacc
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2401  ggcgcctata ccatccgaaa ggcccagttg aaggatgcgg gagtatatga atgtgaatct aaaaacaaag ttggctcaca attaagaagt ttaacacttg
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2601  ttactttgca agaaaagcca acatgaaggg gtcatatagt cttgtagaag cacagaagtc aaaagtgtaa aggcgcgcca gtatactcta gagtcgacac
2701  ccggggaatt cctcgagcgc tcgtctctag cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata
2801  cgagccggaa gcataaagtg taaagcctgg ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc
2901  tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc
3001  ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa
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3801  ttttggtcat gagattatca aaaaggatct tcacctagat ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc
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> RDC1838 Translated Insert Sequence

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 201  idemdsvptv rqavkelqvy ispkntvisv npstklqegg svtmtcsseg lpapeifwsk kldngnlqhl sgnatltlia mrmedsgiyv cegvnligkn
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 601  kdikltafps esvkegdtvi isctcgnvpe twiilkkkae tgdtvlksid gaytirkaql kdagvyeces knkvgsqlrs ltldvqgren nkdyfspell
 701  vlyfasslii paigmiiyfa rkanmkgsys lveaqkskv
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