*m*CD9 VersaClone cDNA

Catalog Number: RDC0314

Specifications:

Gene:	*m*CD9
Accession:	NP_031683
Insert size:	692bp
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

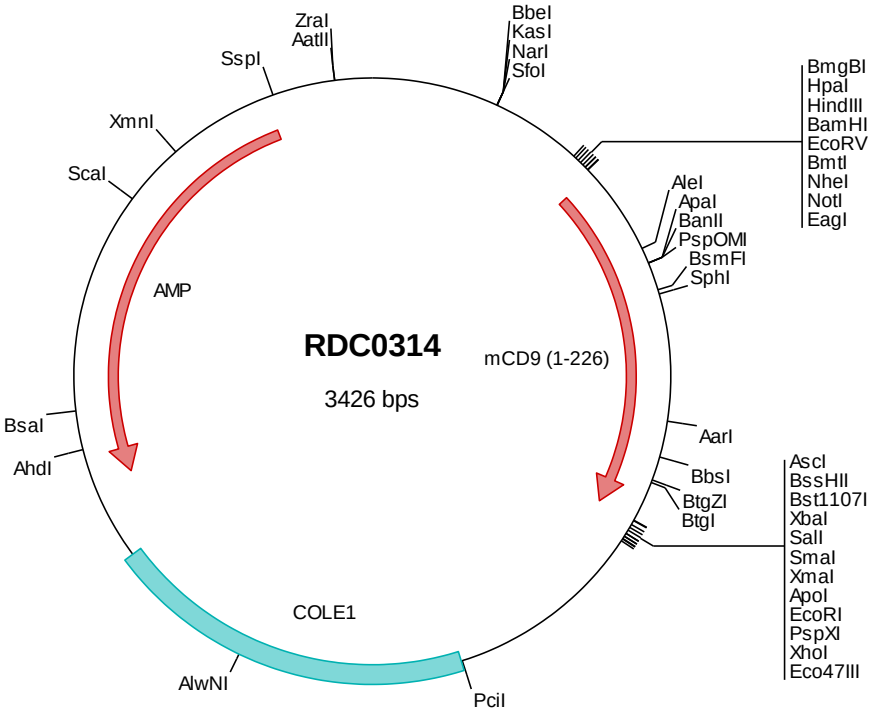
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*CD9 cDNA Plasmid

Cd9 CD9 antigen [*Mus musculus*]

Also known as: Tspan29

Summary:
CD9 belongs to the tetraspanin (TM4SF) family and acts as a receptor for PSG17. It forms both disulfide-linked homodimers and higher homooligomers as well as heterooligomers with other members of the tetraspanin family. CD9 is involved in platelet activation and aggregation. It regulates paranodal junction formation and is involved in cell adhesion, cell motility and tumor metastasis. CD9 may be required for sperm-egg fusion.



> RDC0314 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 atgccggtca aaggaggtag caagtgcatc aaatacctgc tcttcggatt
 501  taacttcatc ttctggctcg ctggcattgc agtgcttgct attggactat ggctccgatt cgactctcag accaagagca tcttcgagca agagaataac
 601  cattccagtt tctacacagg agtgtacatt ctgattggag ccggggccct catgatgctg gttggtttcc tgggctgctg tggagctgta caagagtccc
 701  agtgcatgct gggattgttc ttcgggttcc tcttggtgat attcgccatt gagatagccg ccgccgtctg gggctatacc cacaaggatg aggtgattaa
 801  agaactccag gagtttttaca aggacaccta ccaaaagtta cggagcaagg atgaacccca gcgggaaaca ctcaaagcca tccatatggc gttggactgc
 901  tgtggcatag ctggtccttt ggagcagttt atctcggaca cctgccccaa gaaacagctt ttggaaagtt tccaggttaa gccctgccct gaagccatca
1001  gtgaggtctt caacaacaag ttccacatca ttggagcagt gggtatcggc atcgccgtgg tgatgatctt cggcatgatc ttcagcatga tcctgtgctg
1101  cgccatccgc aggagccgag aaatggtcta ggcgcgccag tatactctag agtcgacacc cggggaattc ctcgagcgct cgtctctagc ttggcgtaat
1201  catggtcata gctgtttcct gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaatg
1301  agtgagctaa ctcacattaa ttgcgttgcg ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg
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1801  aatgctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgccttatc
1901  cggtaactat cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca gagcgaggta tgtaggcggt
2001  gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc tgctgaagcc agttaccttc ggaaaaagag
2101  ttggtagctc ttgatccggc aaacaaacca ccgctggtag cggtggtttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga
2201  tcctttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc
2301  cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat cagtgaggca cctatctcag
2401  cgatctgtct atttcgttca tccatagttg cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat
2501  accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag ggccgagcgc agaagtggtc ctgcaacttt atccgcctcc
2601  atccagtcta ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg ttgccattgc tacaggcatc gtggtgtcac
2701  gctcgtcgtt tggtatggct tcattcagct ccggttccca acgatcaagg cgagttacat gatcccccat gttgtgcaaa aaagcggtta gctccttcgg
2801  tcctccgatc gttgtcagaa gtaagttggc cgcagtgtta tcactcatgg ttatggcagc actgcataat tctcttactg tcatgccatc cgtaagatgc
2901  ttttctgtga ctggtgagta ctcaaccaag tcattctgag aatagtgtat gcggcgaccg agttgctctt gcccggcgtc aatacgggat aataccgcgc
3001  cacatagcag aactttaaaa gtgctcatca ttggaaaacg ttcttcgggg cgaaaactct caaggatctt accgctgttg agatccagtt cgatgtaacc
3101  cactcgtgca cccaactgat cttcagcatc ttttactttc accagcgttt ctgggtgagc aaaaacagga aggcaaaatg ccgcaaaaaa gggaataagg
3201  gcgacacgga aatgttgaat actcatactc ttccttttc aatattattg aagcatttat cagggttatt gtctcatgag cggatacata tttgaatgta
3301  tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa
3401  taggcgtatc acgaggccct ttcgtc
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> RDC0314 Translated Insert Sequence

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 101  eiaaavwgyt hkdevikelq efykdtyqkl rskdepqret lkaihmaldc cgiagpleqf isdtcpkkql lesfqvkpcp eaisevfnnk fhiigavgig
 201  iavvmifgmi fsmilccair rsremv
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