*h*Endocan VersaClone cDNA

Catalog Number: RDC2039

Specifications:

Gene:	*h*ESM1
Accession:	NP_008967
Insert size:	568bp
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

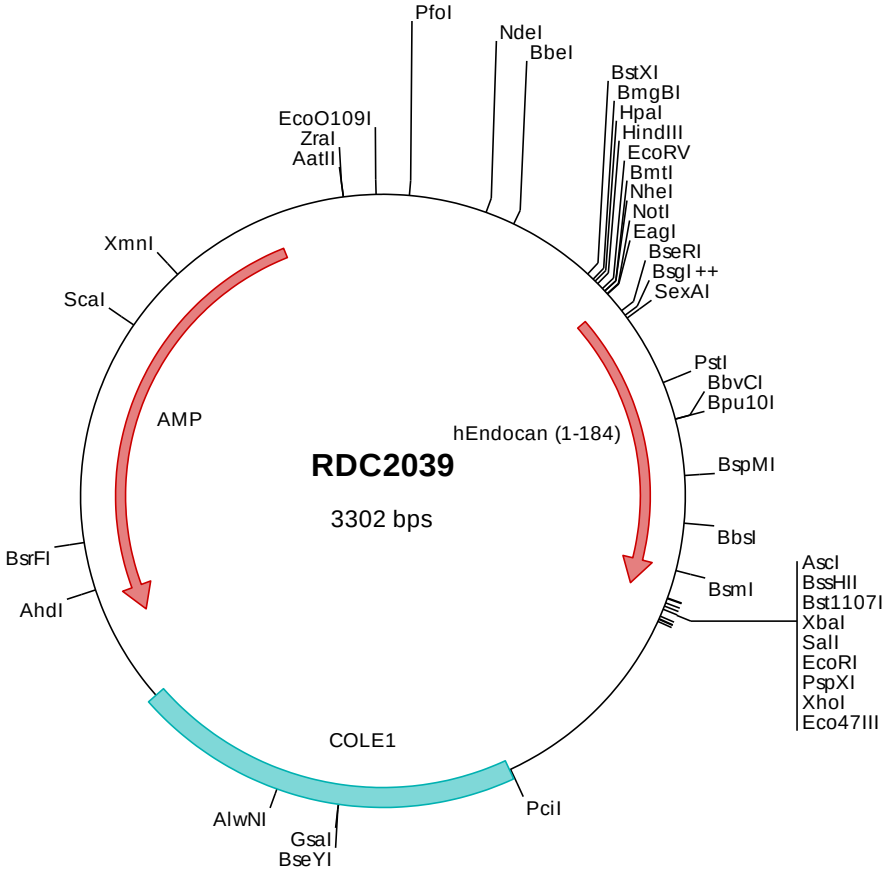
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Endocan cDNA Plasmid

ESM1 endothelial cell specific molecule 1 [*Homo sapiens* (human)]

Also known as: endocan

Summary:
Endocan is a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. Expression of Endocan is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2039 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
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaagagcg tcttgctgct gaccacgctc ctcgtgcctg cacacctggt
 501  ggccgcctgg agcaataatt atgcggtgga ctgccctcaa cactgtgaca gcagtgagtg caaaagcagc ccgcgctgca agaggacagt gctcgacgac
 601  tgtggctgct gccgagtgtg cgctgcaggg cggggagaaa cttgctaccg cacagtctca ggcatggatg gcatgaagtg tggcccgggg ctgaggtgtc
 701  agccttctaa tggggaggat ccttttggtg aagagtttgg tatctgcaaa gactgtccct acggcacctt cgggatggat tgcagagaga cctgcaactg
 801  ccagtcaggc atctgtgaca gggggacggg aaaatgcctg aaattcccct tcttccaata ttcagtaacc aagtcttcca acagatttgt ttctctcacg
 901  gagcatgaca tggcatctgg agatggcaat attgtgagag aagaagttgt gaaagagaat gctgccgggt ctcccgtaat gaggaaatgg ttaaatccac
1001  gctaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt
1101  gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc
1201  gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc
1301  tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat
1401  caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg ttttttccata ggctccgccc
1501  ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg
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1801  cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg
1901  cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac
2001  aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc
2101  tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt
2201  aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca
2301  tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc
2401  tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg
2501  gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat
2601  tcagctccgg ttcccaacga tcaaggcgag ttacatgatc ccccatgttg tgcaaaaaag cggttagctc cttcggtcct ccgatcgttg tcagaagtaa
2701  gttggccgca gtgttatcac tcatggttat ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg tgagtactca
2801  accaagtcat tctgagaata gtgtatgcgg cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc
2901  tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc
3001  agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaagggа ataagggcga cacggaaatg ttgaatactc
3101  atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg
3201  ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg
3301  tc
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> RDC2039 Translated Insert Sequence

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101  dcpygtfgmd cretcncqsg icdrgtgkcl kfpffqysvt kssnrfvslt ehdmasgdgn ivreevvken aagspvmrkw lnpr
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