*h*VSIG1 VersaClone cDNA

Catalog Number: RDC2190

Specifications:

Gene:	*h*VSIG1
Accession:	NP_001164024
Insert size:	1285bp
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

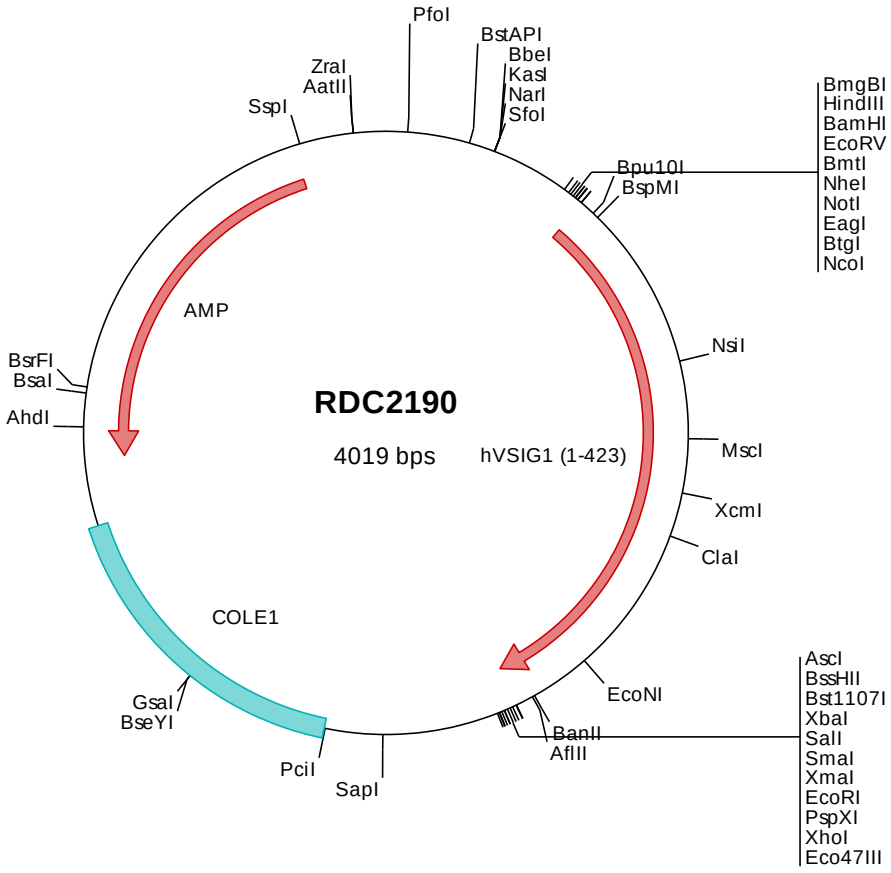
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*VSIG1 cDNA Plasmid

VSIG1 V-set and immunoglobulin domain containing 1 [*Homo sapiens* (human)]

Also known as: GPA34; dJ889N15.1

Summary:
VSIG1 is a member of the junctional adhesion molecule (JAM) family. It is a type I transmembrane glycoprotein that contains multiple glycosylation sites at the N-terminal region, and multiple phosphorylation sites and glutamic acid/proline (EP) repeats at the C-terminal region. It is expressed in normal stomach and testis, as well as in gastric, esophageal and ovarian cancers. VSIG1 is likely to serve as an adhesion molecule. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC2190 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 atggtgttcg cattttggaa ggtctttctg atcctaagct gccttgcagg
 501  tcaggttagt gtggtgcaag tgaccatccc agacggtttc gtgaacgtga ctgttggatc taatgtcact ctcatctgca tctacaccac cactgtggcc
 601  tcccgagaac agctttccat ccagtggtct ttcttccata agaaggagat ggagccaatt tctcacagct cgtgcctcag tactgagggt atggaggaaa
 701  aggcagtcag tcagtgtcta aaaatgacgc acgcaagaga cgctcgggga agatgtagct ggacctctga gatttacttt tctcaaggtg gacaagctgt
 801  agccatcggg caatttaaag atcgaattac agggtccaac gatccaggta atgcatctat cactatctcg catatgcagc cagcagacag tggaatttac
 901  atctgcgatg ttaacaaccc cccagacttt ctcggccaaa accaaggcat cctcaacgtc agtgtgttag tgaaaccttc taagcccctt tgtagcgttc
1001  aaggaagacc agaaactggc cacactattt ccctttcctg tctctctgcg cttggaacac cttcccctgt gtactactgg cataaacttg agggaagaga
1101  catcgtgcca gtgaaagaaa acttcaaccc aaccaccggg attttggtca ttggaaatct gacaaatttt gaacaaggtt attaccagtg tactgccatc
1201  aacagacttg gcaatagttc ctgcgaaatc gatctcactt cttcacatcc agaagttgga atcattgttg gggccttgat tggtagcctg gtaggtgccg
1301  ccatcatcat ctctgttgtg tgcttcgcaa ggaataaggc aaaagcaaag gcaaaagaaa gaaattctaa gaccatcgcg gaacttgagc caatgacaaa
1401  gataaaccca aggggagaaa gcgaagcaat gccaagagaa gacgctaccc aactagaagt aactctacca tcttccattc atgagactgg ccctgatacc
1501  atccaagaac cagactatga gccaaagcct actcaggagc ctgccccaga gcctgcccca ggatcagagc ctatggcagt gcctgacctt gacatcgagc
1601  tggagctgga gccagaaacg cagtcggaat tggagccaga gccagagcca gagccagagt cagagcctgg ggttgtagtt gagcccttaa gtgaagatga
1701  aaagggagtg gttaaggcat aaaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt aatcatggtc
1801  atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc
1901  taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg
2001  gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat
2101  acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt
2201  ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc
2301  ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc
2401  acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt atccggtaac
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2601  agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag
2701  ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg
2801  atcttttcta cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc atgagattat caaaaaggat cttcacctag atccttttaa
2901  attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg
3001  tctatttcgt tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat gataccgcga
3101  gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt
3201  ctattaattg ttgccgggaa gctagagtaa gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc
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3501  tgactggtga gtactcaacc aagtcattct gagaatagtg tatgcggcga ccgagttgct cttgcccggc gtcaatacgg gataataccg cgccacatag
3601  cagaacttta aaagtgctca tcattggaaa acgttcttcg gggcgaaaac tctcaaggat cttaccgctg ttgagatcca gttcgatgta acccactcgt
3701  gcacccaact gatcttcagc atcttttact ttcaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa aaagggaata agggcgacac
3801  ggaaatgttg aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa
3901  aaataaacaa atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt
4001  atcacgaggc cctttcgtc
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> RDC2190 Translated Insert Sequence

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 101  rcswtseiyf sqgggavaig qfkdritgsn dpgnasitis hmqpadsgiy icdvnnppdf lgqnqgilnv svlvkpskpl csvqgrpetg htislsclsa
 201  lgtpspvyyw hklegrdivp vkenfnpttg ilvignltnf eqgyyqctai nrlgnsscei dltsshpevg iivgaligsl vgaaiiisvv cfarnkakak
 301  akernsktia elepmtkinp rgeseampre datqlevtlp ssihetgpdt iqepdyepkp tqepapepap gsepmavpdl dielelepet qselepepep
 401  epesepgvvv eplsedekgv vka
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