

**Specifications:**

Gene:	hSIGLEC9
Accession:	NP_055256
Insert size:	1405bp
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.

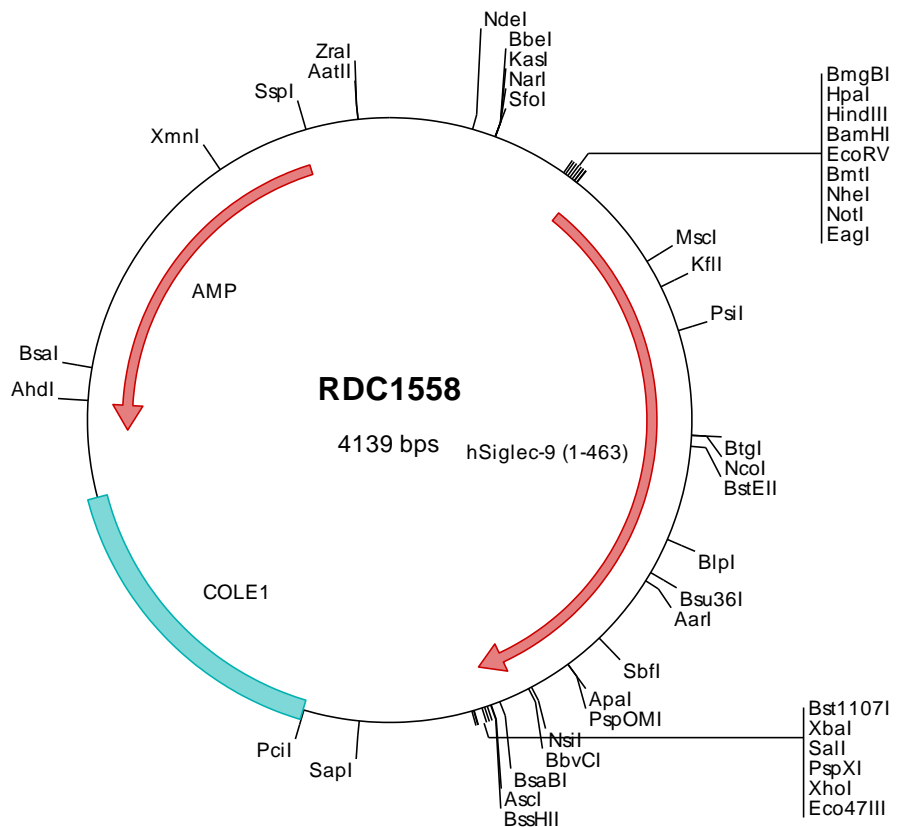
**hSiglec-9 cDNA Plasmid**

**SIGLEC9 sialic acid binding Ig like lectin 9 [ *Homo sapiens* (human) ]**

**Also known as:** CD329; CDw329; FOAP-9; siglec-9; OBBP-LIKE

**Summary:**

Siglec-9 is a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. Siglec-9 is an adhesion molecule that preferentially binds to alpha-2,3- or alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

### > RDC1558 Plasmid DNA Sequence

```

1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcaggggcgcg  tcagcggggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gttgaaata
201  ccgcacacgat  gcgtaagggag  aaaataccgc  atcaggcgcc  attgccatt  caggctcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caagcgatt  aagttgggta  acgccagggt  ttccaccgct  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccggcacc  atgctcctgc  ttctctgccc  cctgctctgg  gggagggaga  gggcgggaagg
501  acagacaagt  aaactgctga  cgatgcagag  ttccgtgacg  gtgcaggaa  gcctgtgtgt  ccatgtgccc  tgctccttot  cctacccttc  gcatggtctg
601  atttaccctg  gcccagtagt  tcattgctac  tggttccggg  aaggggccaa  tacagaccag  gatgtctccg  tggccacaaa  caaccagct  cgggcagtg
701  ggggagagac  tcgggaccca  ttccacctcc  ttggggaccc  acataccaag  aattgcacc  tgagcatcag  agatgccaga  agaagtgatg  cggggagata
801  cttctttcgt  atgggaaaag  gaagtataaa  atggaattat  aaacatcacc  ggctctctgt  gaatgtgaca  gcttgacccc  acaggcccaa  catcctcatc
901  ccaggcacc  tggagtccgg  ctgccccag  aaatctgacct  gctctgtgcc  ctgggctctg  gagcagggga  caccctctat  gatctctctg  atagggacct
1001 cctgtgcccc  cctgggcccc  tcaccacccc  gctcctcggt  gctcaccctc  atcccacagc  cccaggacca  tggcaccagc  ctaccctgtc  aggtgacct
1101 cctgtgggccc  agcgtgacca  cgaacaagac  cgtccatctc  aacgtgtctc  acccgctca  gaacttgacc  atgactgtct  tccaaggaga  tggcacagta
1201 tccacagtct  tgggaaatgg  ctcactctg  tcaactccag  agggccagtc  tctgctctgc  gtctgtgacg  ttgatgcagt  tgacagcaat  cccctgcca
1301 tgggagatcc  gagctggaga  gatgcacccc  tgtgcccacc  acagccctca  aacccggggg  tctgtggagct  tctgtggggt  gcttgggtg  cacctgaggg
1401 attcaccctg  agagctcaga  accctctcgg  ctctcagcag  gtctaacctg  acgtctctct  gcagagcaaa  gccacatcag  gactgactca  gggggtggtc
1501 gggggagctg  gagccacagc  cctggtcttc  ctgtcctctc  gogtcatctc  cgttctagtc  aggtcctgca  ggaagaaatc  ggcagggcca  gcagcgggct
1601 tgggagatcc  gggcagtagg  gatgcaaacg  ctggtcaagg  ttccagctct  caggggcccc  tgactgaaac  ttgggcagaa  gacagtcccc  cagaccagcc
1701 tccccagct  totgcccctc  cctcagtggt  ggaaggagag  ctccagtatg  catccctcag  ctccagatg  gtgaagcctt  gggactcgcg  gggacaggag
1801 gccactgaca  ccgagtactc  ggagatcaag  atocacagat  aaaggcgcgc  cagtatactc  tagagtgcac  acccggggaa  ttctctgagc  gctctctct
1901 agcttggcgt  aatcatggtc  atagctgttt  cctgtgtgaa  attgttatcc  gctcacaatt  ccacacaaca  tacgagccgg  aagcataaag  tgtaaagct
2001 ggggtgccta  atgagtaggc  taactcacat  taattgcgtt  gcgctcttcc  cccgctttcc  agtcgggaaa  cctgtctgtc  cagctgcatt  aatgaatcg
2101 ccaacgcgcg  gggagagggc  gtttgcgat  tgggcctctc  tccgctctct  cgtcactgac  ctctgtctgc  tcggctgcgc  tgggtcgttc  ggtgctggcc
2201 gctcactcaa  agcgggtaat  acggttatcc  acagaaatcg  gataaacgc  aggataaacg  atgtgagcaa  aaggccagca  aaaggccagg  aacctgaaa
2301 agggcgcgct  gctggcgttt  ttccatagcc  tcggcccccc  tgacgagcat  cacaaaaatc  gacgctcaag  tcagaggtgg  cgaaacccga  caggactata
2401 aagataccag  cgttttcccc  ctggaagctc  cctcgtctgc  tctcctgttc  cgaccctgcc  cgacctcag  gcttaccgga  tacctgtcgc  ccttctccc
2501 gtggcgttt  ctcaatgctc  acgcttagg  tatctcagtt  cgggtgagtt  cgttctctcc  aagctgggct  gtgtgacga  accccccgtt  cagcccagc
2601 gctgcgctc  atccggtaac  tatcgtcttg  agtccaaccc  ggtaaagcac  gacttatcgc  cactggcagc  agccactggt  aacaggatta  gcagagcgag
2701 gtatgtagc  ggtgctacag  agttcttgaa  gtggtggcct  aactacggct  acactagaag  gacagtattt  ggtatctgoc  ctctgctgaa  cccagtacc
2801 ttcggaaaaa  gagtgtgtag  ctcttgatcc  ggcacaaaa  ccaccgctgg  tagcgtggtt  tttttgttt  gcaacgaca  gattacgctc  agaaaaaag
2901 gatctcaaga  agatcctttg  atcttttcta  cggggtctga  cgctcagttg  aacgaaaact  cacgttaagg  gattttggtc  atgagattat  caaaaaggat
3001 ctccacttag  atccttttaa  attaaaaatg  aagttttaaa  tcaatctaaa  gtatatatga  gtaaaactgg  tctgacagtt  accaactgct  aatcagttag
3101 gcacctatct  cagcagctct  tctatttctg  tcatccatag  ttgcctgact  ccccgctcgt  tagataacta  cgatacggga  gggcttacca  tctggcccca
3201 gtgctgcaat  gatacccgca  gacccacgct  caccggctcc  agatttatca  gcaataaac  agccagccgg  aagggccgag  cgcagaagtg  gtcctgcaac
3301 tttatccgcc  tccatccagt  ctattaattg  ttgcccggaa  gctagagtaa  gtgattcggc  agttaatagt  ttgcccacag  ttgttgccat  tgctacagc
3401 atcgtggtgt  cacgctcgtc  gtttggtag  gcttcattca  gctccggttc  ccaacgatca  agggaggtta  catgatcccc  catgttctgc  aaaaaagcgg
3501 ttagctcctt  cggtcctccg  atcgttgtea  gaagtaagtt  ggccgagtg  ttactactca  tgggtatggc  agcactgcat  aattctctta  ctgtcatgcc
3601 atccgtaaga  tgcttttctg  tgactggtga  gtaactcaacc  aagtcattct  gagaatagtg  tatgcccgca  ccgagttgct  cttgcccggc  gtcaataccg
3701 gataataacc  cgccacatag  cagaacttta  aaagtgtca  tcattggaaa  acgttctctg  gggcgaaaac  tctcaaggat  cttaccgctg  ttgagatcca
3801 gttcgatgta  acccaactcg  gcacccaact  gatcttcagc  atcttttact  ttaccagcgc  tttctgggtg  agcaaaaaa  ggaaggcaaa  atgccgcaaa
3901 aaagggaata  agggcgacac  ggaatgtgtg  aataactcata  ctcttctctt  ttcaatatta  ttgaagcatt  tatcaggttt  atgtctctat  gagcggatac
4001 atatttgaat  gtatttagaa  aaataaaaa  ataggggttc  cgcgacatt  tccccgaaa  gtgccacctg  acgtctaaga  aaccattatt  atcatgacat
4101 taacctataa  aaataggcgt  atcagagggc  cctttcgtc

```

### > RDC1558 Translated Insert Sequence

```

1   mllllllpllw  greraeggts  klltmqssvt  vqeglcvhvp  csfspyshgw  iypgpvvhgy  wfregantdq  dapvatnnpa  ravweetrdr  fhllgdphkt
101  nctlsirdar  rsdagryffr  meksikwny  khhrslsvnt  althrpnil  pgtlesgcpq  nltcspwac  eqgtppmish  igtvspldp  sttrssvltl
201  ipqqdqhgts  ltcqvtfpga  svttntkvh  nvsyppqnl  mtvfqgdgtv  stvlngssl  slpegqlrl  vcavdavdsn  pparlslswr  gtlcpcsqps
301  npgvlelpw  hlrdaaeftc  raqnpLgsq  vylnvlqsk  atsgvtqgv  ggagatalvf  lsfcvifvv  rscrkksarp  aagvgdtgie  danavrgsas
401  qpltepwae  dsppdqpppa  sarssvge  lqyaslsfqm  vkpwsrqqe  atdteyseik  ihr

```