

Product datasheet for **RC206674**

SIGLEC9 (NM_014441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SIGLEC9
Synonyms:	CD329; CDw329; FOAP-9; OBBP-LIKE; siglec-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC206674 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCTGCTGCTGCTGCCCCCTGCTCTGGGGGAGGGAGAGGGCGGAAGGACAGACAAGTAACTGCTGA
 CGATGCAGAGTTCCGTGACGGTGACAGGAAGGCCTGTGTGCCATGTGCCCTGCTCCTTCTCCTACCCCTC
 GCATGGCTGGATTACCTTGCCCAAGTAGTTCATGGCTACTGGTTCGGGAAGGGGCCAATACAGACCAG
 GATGCTCCAGTGGCCACAAACAACCCAGCTCGGCAGTGTGGGAGGAGACTCGGGACCGATTCCACCTCC
 TTGGGGACCCACATACCGAGAATTGCACCTGAGCATCAGAGATGCCAGAAGAAGTATGCGGGGAGATA
 CTTCTTTCTGATGGAGAAAGGAAGTATAAAATGGAATTATAAACATCACCGGCTCTCTGTGAATGTGACA
 GCCTTGACCCACAGGCCAACATCCTCATCCAGGCACCTGGAGTCCGGCTGCCCCAGAATCTGACCT
 GCTCTGTGCCCTGGCCCTGTGAGCAGGGGACACCCCTATGATCTCCTGGATAGGGACCTCCGTGTCCCC
 CCTGGACCCCTCCACCACCCGCTCCTCGGTGCTCACCTCATCCACAGCCCCAGGACCATGGCACCAGC
 CTCACCTGTCAAGTGACCTTCCCTGGGGCCAGCGTGACCACGAACAAGACCGTCCATCTCAACGTGTCT
 ACCCGCCTCAGAACTTGACCATGACTGTCTTCAAGGAGACGGCACAGTATCCACAGTCTTGGGAAATGG
 CTCATCTCTGTCACTCCAGAGGGCCAGTCTCTGCGCCTGGTCTGTGCAGTTGATGCAGTTGACAGCAAT
 CCCCTGCCAGGTGAGCCTGAGCTGGAGAGGCCTGACCTGTGCCCTCACAGCCCTCAAACCCGGGGG
 TGCTGGAGCTGCCTTGGGTGCACCTGAGGGATGAAGCTGAATTCACCTGCAGAGCTCAGAACCTCTCGG
 CTCTCAGCAGGTCTACCTGAACGTCTCCTGCAGAGCAAAGCCACATCAGGAGTGACTCAGGGGGTGGT
 GGGGGAGCTGGAGCCACAGCCCTGGTCTTCTGTCTTCTGCGTCATCTTCGTTGTAGTGAGGTCTGCA
 GGAAGAAATCGCAAGGCCAGCAGCGGGCGTGGGAGATACGGGCATAGAGGATGCAAACGCTGTCAAGGG
 TTCAGCCTCTCAGGGGCCCTGACTGAACCTTGGGCAGAAGACAGTCCCCCAGACCAGCCTCCCCCAGCT
 TCTGCCCGCTCCTCAGTGGGGGAAGGAGAGCTCCAGTATGCATCCCTCAGCTTCCAGATGGTGAAGCCTT
 GGGACTCGCGGGGACAGGAGGCCACTGACACCGAGTACTCGGAGATCAAGATCCACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206674 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLLLPLLWGRERAEGQTSKLLTMQSSVTVQEGLCVHVPCSFSSYPHGWIIYPGPVVHGYWFREGANTDQ
 DAPVATNNPARAVWEETRDRFHLLGDPHTENCTLSIRDARRSDAGRYFFRMEKGSIKWNYKHHRLSVNVT
 ALTHRPNILIPGTLESGCPQNLTCSPWACEQGTTPMISWIGTSVSPDPSTTRSSVLTIPQPQDHGTS
 LTCQVTFPGASVTTNKTVHLNVSYPQNLMTVFQGDGTSTVLGNGSSLSLPEGQSLRLVCAVDAVDSN
 PPARLSLSWRGLTLCPSQPSNPGVLELPWVHLRDEAEFTCRAQNPLGSQQVYLNVSLSQKATSGVTQGVV
 GGAGATALVFLSFCVIFVVVRSCRKKSARPAAGVGDGTGIEDANAVRGSASQGPLTEPWAEDSPDQPPPA
 SARSSVGEGELQYASLSFQMKPWDSRQGEATDTEYSEIKIHR

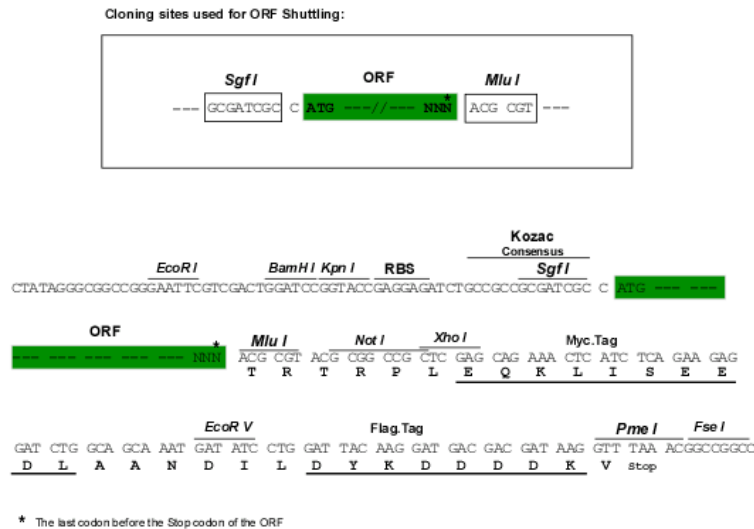
TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk6018_g01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_014441

ORF Size: 1389 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

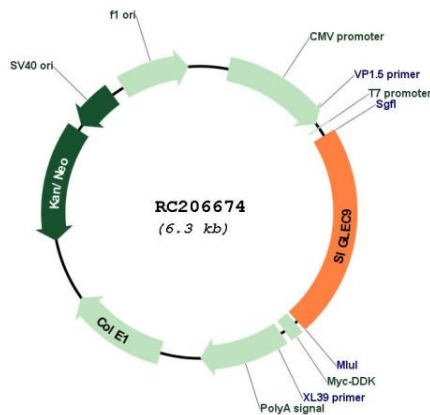
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

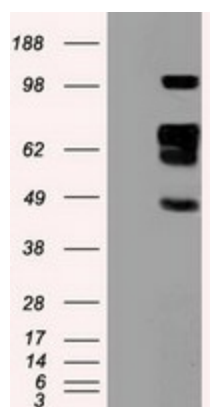
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_014441.2
RefSeq Size:	1737 bp
RefSeq ORF:	1392 bp
Locus ID:	27180
UniProt ID:	Q9Y336
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Transmembrane
MW:	50.1 kDa
Gene Summary:	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. 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.[UniProtKB/Swiss-Prot Function]

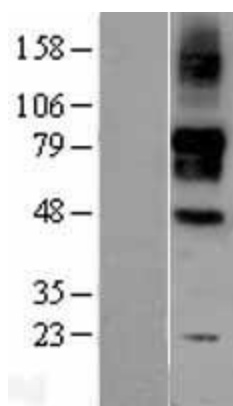
Product images:



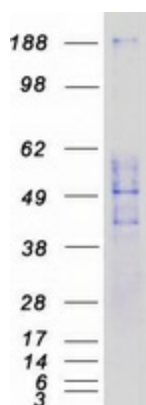
Circular map for RC206674



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SIGLEC9 (Cat# RC206674, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIGLEC9 (Cat# [TA500380]). Positive lysates [LY402335] (100ug) and [LC402335] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402335]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206674 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SIGLEC9 protein (Cat# [TP306674]). The protein was produced from HEK293T cells transfected with SIGLEC9 cDNA clone (Cat# RC206674) using MegaTran 2.0 (Cat# [TT210002]).