

Product datasheet for **RG206674**

SIGLEC9 (NM_014441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC9 (NM_014441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIGLEC9
Synonyms:	CD329; CDw329; FOAP-9; OBBP-LIKE; siglec-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206674 representing NM_014441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTGCTGCTGCTGCCCTGCTCTGGGGAGGGAGAGGGCGGAAGGACAGACAAGTAAACTGCTGA
 CGATGCAGAGTTCGTGACGGTGCAGGAAGGCCTGTGTGCCATGTGCCCTGCTCCTTCTCTACCCCTC
 GCATGGCTGGATTACCTGGCCAGTAGTTCATGGCTACTGGTTCGGGAAGGGCCAATACAGACCAG
 GATGCTCCAGTGGCCACAAACAACCAGCTCGGGCAGTGTGGGAGGAGACTCGGGACCGATTCCACCTCC
 TTGGGGACCCACATACCGAGAATTGCACCTGAGCATCAGAGATGCCAGAAGAAGTATGCGGGGAGATA
 CTTCTTTTCGTATGGAGAAAGGAAGTATAAAATGGAATTATAAACATCACCGGCTCTCTGTGAATGTGACA
 GCCTTGACCCACAGGCCAACATCCTCATCCAGGCACCTGGAGTCCGGCTGCCCCAGAATCTGACCT
 GCTCTGTGCCCTGGCCCTGTGAGCAGGGGACACCCCTATGATCTCCTGGATAGGGACCTCCGTGTCCCC
 CCTGGACCCCTCCACCACCGCTCCTCGGTGCTCACCTCATCCACAGCCCAGGACCATGGCACCAGC
 CTACCTGTCAGGTGACCTTCCCTGGGGCAGCGTGACCACGAACAAGACCGTCCATCTCAACGTGTCT
 ACCCGCTCAGAACTTGACCATGACTGTCTTCCAGGAGACGGCACAGTATCCACAGTCTTGGGAAATGG
 CTCATCTCTGCTACTCCAGAGGGCCAGTCTCTGCGCCTGGTCTGTGCAGTTGATGCAGTTGACAGCAAT
 CCCCTGCCAGGCTGAGCCTGAGCTGGAGAGGCCTGACCTGTGCCCTCACAGCCCTCAAACCCGGGGG
 TGCTGGAGCTGCCTGGGTGCACCTGAGGGATGAAGCTGAATTCACCTGCAGAGCTCAGAACCCTCTCGG
 CTCTCAGCAGTCTACCTGAACGTCTCCCTGCAGAGCAAAGCCACATCAGGAGTACTCAGGGGGTGGT
 GGGGAGCTGGAGCCACAGCCCTGGTCTTCTCCTGTCCTTCTGCGTCATCTTCGTTGTAGTGGTCTGCA
 GGAAGAAATCGCAAGGCCAGCAGCGGGCTGGGAGATACGGGCATAGAGGATGCAAACCGTGTGAGGGG
 TTCAGCCTCTCAGGGGCCCTGACTGAACCTTGGGCAGAAGACAGTCCCCAGACCAGCCTCCCCAGCT
 TCTGCCGCTCCTCAGTGGGGAAAGGAGAGCTCCAGTATGCATCCCTCAGCTTCCAGATGGTGAAGCCT
 GGGACTCGCGGGACAGGAGGCCACTGACACCGAGTACTCGGAGATCAAGATCCACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206674 representing NM_014441
 Red=Cloning site Green=Tags(s)

MLLLLLPLLWGRERAEGQTSKLLTMQSSVTVQEGLCVHVPCSFSYPSHGWIYPGPVVHGYWFREGANTDQ
 DAPVATNNPARAVWEETRDRFHLLGDPHTENCLSIIRDARRSDAGRYFFRMEKGSIKWNYKHHRLSVNVT
 ALTHRPNILIPGTLESGCPQNL TCSVPWACEQGTTPMISWIGTSVSPLDPSTTRSSVLTLPQPQDHGTS
 LTCQVTFPGASVTTNKTVHLNVSYPQNL TMTVFQGDGTVSTVLGNGSSLPEGQSLRLVCAVDAVDSN
 PPARLSLSWRGLTLCPSQPSNPGVLELPWVHLRDEAEFTCRAQNPLGSQQVYLNLSLQSKATSGVTQGVV
 GGAGATALVFLSFCVIFVVVRSRKRKSARPAAGVGDGTGIEDANAVRGSASQGPLTEPWAEDSPDQPPPA
 SARSSVGEGLQYASLSFQMVKPWDSRGQEQATDTEYSEIKIHR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

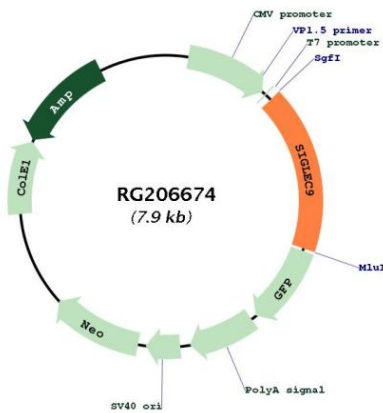
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

RefSeq: [NM_014441.1](#), [NP_055256.1](#)

RefSeq Size:	1709 bp
RefSeq ORF:	1392 bp
Locus ID:	27180
UniProt ID:	Q9Y336
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Transmembrane
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 RG206674