

Product datasheet for **SC305076**

Sialoadhesin (SIGLEC1) (NM_023068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sialoadhesin (SIGLEC1) (NM_023068) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sialoadhesin
Synonyms:	CD169; SIGLEC-1; SN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_023068 edited
 ATGGGCTTCTTGCCCAAGCTTCTCCTCCTGGCCTCATTCTTCCCAGCAGGCCAGGCCTCA
 TGGGGCGTCTCCAGTCCCAGGACGTGCAGGGTGTGAAGGGTCTTGCCCTGCTTATCCCC
 TGCATCTTCAGCTTCCCTGCCGACGTGGAGGTGCCCGACGGCATCACGGCCATCTGGTAC
 TACGACTACTCGGGCCAGCGGCAGGTGGTGAGCCACTCGCGGACCCCAAGCTGGTGGAG
 GCCCGCTTCCGCGGCCGACCGAGTTCATGGGAACCCGAGCACAGGGTGTGCAACCTG
 CTGCTGAAGGACCTGCAGCCGAGGACTCTGGTTCCTACAACCTCCGCTTCGAGATCAGT
 GAGGTCAACCGTGGTCAAGTGTAAAGGCACCTTGGTCAAGTAAAGAGGAGCCAGG
 GTGCCACCATTGCTCCCGGTGGAGCTTCTCGAGGGCAGAGGTGGACTTCAACTGC
 TCCACTCCCTACGTATGCCTGCAGGAGCAGGTGAGTGCAGTGGCAAGGCCAGGACCT
 GCTCGCTCTGTCACCTTCAACAGCCAGAAGTTTGAGCCACCGGGCTCGGCCACCTGGAG
 ACCCTCCACATGGCCATGCTCTGGCAGGACCACGGCCGGATCCTGCGCTGCCAGCTCTCC
 ATGGCCAATCACAGGGCTCAGAGCGAGATTACCTCCAAGTGAAGTATGCCCCAGGGGT
 GTGAAGATCCTCCTCAGCCCTCGGGGAGGAACATCCTTCCAGGTGAGCTGGTCAACTC
 ACCTGCCAGGTGAACAGCAGTACCCTGCAGTCAAGTCCATTAAGTGGTCAAGGATGGG
 GTACGCCCTCAAACCAAGACTGGTGTGCTGCACCTGCCCCAGGCAGCCTGGAGCGATGCT
 GGCGTCTACACCTGCCAAGCTGAGAACGGCGTGGGCTCTTTGGTCTACCCCCATCAGC
 CTCCACATCTTATGGCTGAGGTCCAGGTGAGCCAGCAGTCCATCCTGGAGAACCAG
 ACAGTGACACTAGTCTGCAACACACCCAAACGAGGCACCCAGTATCTCCGCTACAGTGG
 TACAAGAACCATGCTCTGCTGGAGGATGCCCACTCCCATACCCTCCGGCTGCACTTGGCC
 ACTAGGGCTGATACTGGCTTCTACTTCTGTGAGGTGCAGAACGTCCATGGCAGCGAGCGC
 TCGGGCCCTGTCAGCGTGGTAGTCAACCACCGCCTCTCACCCAGTCTGACAGCCTTC
 CTGGAGACCCAGGCGGGACTTGTGGCATCCTTCACTGCTCTGTGGTCAAGTGGCCCTG
 GCCACTGCTGTGTCACATGGGGTCAATCCTGGCCTCCACCTCCGGGGACAGTGTGAT
 CACAGCCACGCTTCAAGTGGTACCTCTGGTCCCAACTCCCTGCGCTGGAGATCCGAGAC
 CTGGAGGAAACTGACAGTGGGGAGTACAAGTGTGCTCAGCCACCAACTCCCTGGAAATGCA
 ACCTCCACCTGGACTTCCATGCCAATGCCGCCGTCTCCTCATAGCCCGCAGCCGAG



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GTGGTGAAGGACAGGCAGTGACACTGAGCTGCAGAAGCGGCCTAAGCCCCACACCTGAT
 GCCCGCTTCTCCTGGTACCTGAATGGAGCCCTGCTTACGAGGGTCCCAGGAGCAGCCTC
 CTGCTCCCCGGCGCTCCAGCACTGACGCCGGCTCATACCACTGCCGGGCCGGGACGGC
 CACAGTGCCAGTGGCCCCCTTCGCGAGCTGTTCTCACTGTGCTTACCCCCCTCGAAA
 CCAACATTCACCACCAGGCTGGACCTTGATGCCGCTGGGGCCGGGGTGGACGGCAGGC
 CTCCTTTTGTGCCGTGTGGACAGCGACCCCCGCCAGGCTGCAGTGTCCACAAGGAC
 CGTGTGTGGCCACTTCCCTGCCATCAGGGGGTGGCTGCAGCACCTGTGGGGGCTTTCC
 CCACGCATGAAGTCCACAAAGCCCCAACTTGCTGCGTGTGGAGATTCACAACCTTTG
 CTGGAAGAGGAGGGCTTGTACCTCTGTGAGGCCAGCAATGCCCTGGGCAACGCCTCCACC
 TCAGCCACCTTCAATGGCCAGGCCACTGTCTGGCCATTGCACCATCACACACTTCAG
 GAGGGCACAGAAGCCAATTGACTTGCAACGTGAGCCGGGAAGCTGTGGCAGCCCTGCT
 AACTTCTCCTGGTTCGAAATGGGGTGTGTGGGCCAGGGTCCCCTGGAGACCGTGACA
 CTGCTGCCCGTGGCCAGAACTGATGCTGCCCTTACGCCTGCCGCATCCTGACTGAGGCT
 GGTGCCAGCTCTCCACTCCCGTGTCTGAGTGTCTTATCCCCGGACCGTCCAAG
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 GTTCTTGGATCATCCAACACCTCACTCTTCTCCAGGTCCGAGGAGCCTGGGTCCAGGTG
 TCACCATCACCTGAGCTCCAAGAGGGCCAGGCTGTGGTCTGAGCTGCCAGGTACCCACA
 GGAGTCCCAGAGGGGACCTCATATCGTTGGTATCGGGATGGCCAGCCCCCAGGAGTGC
 ACCTCGGCCACGCTCCGCTTTCAGCCATAACTTTGACACAAGCTGGGGCCTATCATTGC
 CAAGCCAGGGCCAGGCTCAGCCACCAGGCTAGCTGTACCCATCAGCCTCCACGTG
 TCCTATGCCCCACGCCAGTGCACACTCACTACCTGATGGACACAGGCCCTGGACACTG
 GGCTCTCCTGTGCCGTGTGGACAGTACCCTCCGGCCAGCTGCGGCTGCTCCACGGG
 GATCGCCTTGTGGCTCCACCCTACAAGGTGTGGGGGACCCGAAGGCAGCTCTCCAGG
 CTGCATGTGGCTGTGGCCCCAACACACTGCGTCTGGAGATCCACGGGGCTATGTGGAG
 GATGAGGGTGTCTATATCTGTGAGGCCTCCAACACCTGGGCCAGGCCTCGGCCTCAGCT
 GACTTCGACGCTCAAGCTGTGAATGTGCAGGTGTGGCCGGGGTACCGTGCAGGAGGGG
 CAGCTGGTGAACCTGACCTGCCTTGTGTGGACACTACCCGGCCAGCTCACCTACACA
 TGGTACCAGGATGGGCAGCAGCGCTGGATGCCACTCCATCCCCCTGCCAACGTGACA
 GTCAGGGATGCCACCTCTACCGCTGCGGTGTGGGCCCCCTGGTCCGGGACCCCGCCTC
 TCCAGACCTATACCTTGGACGTCTCTACGCGCCCCGCAACTGCGCCTGACCTACCTC
 CTGGAGAGCCATGGCGGGCAGCTGGCCCTGGTACTGTGCACTGTGGACAGCCGCCCGCC
 GCCCAGCTGGCCCTCAGCCACGCCGGTGCCTCTTGGCCTCTCGACAGCAGCCTCTGTC
 CCCAACACCTGCGCCTGGAGCTGCGAGGGCCACAGCCAGGGATGAGGGTTTCTACAGC
 TGCTCTGCCCGCAGCCCTCTGGGCCAGGCCAACACGTCCCTGGAGCTGCGGCTGGAGGT
 GTGCGGGTGTCTGGCTCCGGAGGCTGCCGTGCCTGAAGGTGCCCCATCACAGTGACC
 TGTGCGGACCCTGTGCCACGCACCCACACTCTATACTTGGTACCACAACGGTCTGTGG
 CTGCAGGAGGGTCCAGCTGCCTCACTCTATTCTGTTGGCCACGCGGGCTCATGCAGGC
 GCCTACTCTTGGCAGGCCAGGATGCCAGGGACCCGCAGCTCCCGTCTGCTGCCCTG
 CAAGTCTCTATGCCCTCAGGATGCTGTCTGTCTCTTCCGGGACTCCAGGGCCAGA
 TCCATGGCTGTGATACAGTGCACCTGTGGACAGTGAACACCTGCTGAGCTGGCCATCT
 CATGATGGCAAGGTGCTGGCCACGAGCAGCGGGTCCACAGCTTGGCATCAGGGACAGGC
 CATGTCCAGTGGCCCCAAAACGCCCTACGGCTGCAGGTGCAAGATGTGCCTGCAGGTGAT
 GACACCTATGTTTGCACAGCCCCAAAACCTGCTGGGCTCAATCAGCACCATCGGGCGTTG
 CAGGTAGAAGGTGCACGCGTGGTGGCAGAGCCTGGCCTGGACGTGCTGAGGGCGCTGCC
 CTGAACCTCAGCTGCCGCTCCTGGGTGGCCTGGGCCTGTGGGCAACTCCACCTTTGCA
 TGGTTCTGGAATGACCGCGGGTGCACGCGGAGCTGTGCCACTCTCGCCTTACCCAC
 GTGGCTCGTGCTCAAGCTGGGATGTACCACTGCCTGGCTGAGCTCCCCACTGGGGCTGCT
 GCCTCTGCTCCAGTATGCTCCGTGTGCTTACCCTCCAAAGACGCCACCATGATGGTC
 TTCGTGGAGCCTGAGGGTGGCCTCCGGGCATCCTGGATTGCCGAGTGGACAGCGAGCCG

CTCGCCAGCCTGACTCTCCACCTTGGCAGTCGACTGGTGGCCTCCAGTCAGCCCCAGGGT
 GCTCCTGCAGAGCCACACATCCATGTCCTGGCTTCCCCAATGCCCTGAGGGTGGACATC
 GAGGCGCTGAGGCCAGCGACCAAGGGGAATACATCTGTTCTGCCTCAAATGTCCTGGGC
 TCTGCCTTACCTCCACCTACTTTGGGGTCAGAGCCCTGCACCGCTGCATCAGTTCCAG
 CAGCTGCTCTGGGTCCTGGGACTGCTGGTGGGCCTCCTGCTCCTGCTGTTGGCCTGGGG
 GCCTGTACACCTGGAGAAGGAGGCGTGTGTAAGCAGAGCATGGGCGAGAATTCGGTG
 GAGATGGCTTTTCAGAAAAGAGACCACGCAGCTCATTGATCCTGATGCAGCCACATGTGAG
 ACCTCAACCTGTGCCCCACCCCTGGGCTGA

Restriction Sites: Please inquire

ACCN: NM_023068

Insert Size: 6800 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_023068.2](#), [NP_075556.1](#)

RefSeq Size: 5130 bp

RefSeq ORF: 5130 bp

Locus ID: 6614

UniProt ID: [Q9BZZ2](#)

Cytogenetics: 20p13

Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Gene Summary: This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a lectin-like adhesion molecule that binds glycoconjugate ligands on cell surfaces in a sialic acid-dependent manner. It is a type I transmembrane protein expressed only by a subpopulation of macrophages and is involved in mediating cell-cell interactions. Alternative splicing produces a transcript variant encoding an isoform that is soluble rather than membrane-bound; however, the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008]