

Product datasheet for **SC123399**

SIGLEC6 (NM_198845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC6 (NM_198845) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIGLEC6
Synonyms:	CD33L; CD33L1; CD33L2; CD327; CDW327; OBBP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_198845 edited
CGCGCTCCTCCCCAGCCACCCGTTCTCCCCGAGTCCTTCCCCTCCACTCCCTTCCCCT
TCTCTGCTCATGCAGGGAGCCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTG
CCCCTGCTGTGGGCAGGGGCCCTGGCTCAGGAGCGGAGATTCCAGCTGGAGGGGCCAGAG
TCACTGACGGTGCAGGAGGGTCTGTGCGTCCTCGTACCCTGCAGATTGCCACTACCCTT
CCAGCCTCGTACTATGGTTATGGCTACTGGTTCCTGGAAGGGGCTGATGTTCCAGTGGCC
ACAAACGACCACGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGATTCCACCTCCTTGG
GATCCCAGAAGGAAGAAGTCTCCCTGAGCATCAGAGATGCCCGAGGAGGGACAATGCT
GCATACTTCTTTTCGGTTGAAGTCCAAATGGATGAAATACGGTTATACATCTTCCAAGCTC
TCTGTGCGTGTGATGGCCCTGACCCACAGGCCAACATCTCCATCCCAGGGACCTTGGAG
TCTGGCCATCCCAGCAATCTGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCC
CCCATCTTCTCCTGGATGTCAGCTGCCCCACCTCCCTGGGCCCCAGGACCACCCAGTCC
TCGGTGTCAATCACCCACGGCCCCAGGACCACAGCACCAACCTCACCTGTCAGGTG
ACGTTCCCTGGAGCCGGTGTGACCATGGAGAGAACCATCCAGCTCAATGTCTCCTCCTTC
AAAATCCTGCAAAACACCTCGTCCCTCCCTGCTCCTGGAGGGCCAGGCTCTGCGGTGCTC
TGTGATGCTGACGGCAACCCCCCTGCACACCTGAGCTGGTTCAGGGCTTCCCCGCCCTG
AACGCCACCCCATCTCCAATACCGGGTCTGGAGCTGCCTCAAGTAGGGTCTGCAGAA
GAAGGAGATTTACCTGCCGTGCTCAGCATCCTCTGGGCTCCCTGCAAATCTCTCTGAGT
CTCTTTGTGCAATTGGAACAGAAAGGCAGGGCTGGTGGTGTCTGGGAGCAGTCTGGGA
GCTAGCATCACAACCTGGTTTTCTCTGTGTTTGTCTTCACTTCCAGAGTGAAGACTAGA
AGGAAGAAAGCAGCCAGCCAGTGCAAAACACGGATGATGTGAACCCCGTCATGGTCTCA
GGCTCCAGGGGTCTCAGCACCAGTTCAGACAGGCATAGTTTCCAGACCACCTGCTGAG
GCTGGCCCCATCTCAGAAGATGAGCAGGAGTCCACTACGCTGCTCCTACACTTCCACAAG
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TGAGGAATTGTCAAAGCCATAACCTTGATTGGAGAGAACATGGTACCTCTCAGTGTATT
GGTACTAGGGCTGCCACAGCAATGTACCACAAACCGAGTGACATAAACACAGAACTTTA
TTTTCGTATAGTTTCAGATGTTAGAGGTCTGAGAAACAGGTGTTATCAGGGTTGGTCCCT
TCTAAGGCCTCTTGTGGCTGTAGATGGCTGTCTCCTCCTTGTGTCTTACATGGTC
TTTCTCTGAGTGTGTTGTGTCCTAATCTTCTTCTTATAAAGACACTAGTCATATTG
GATTAGGGCTCCCCATGACCTAATTTAAATAAATTAACATTTAAAGACCCTCCAATA
CAGTAACCTTCTGAGATATTGAGATTTAGGACTTCCAACATATGAATTTTGAAGGGAAC
AATTTAGCCATAAACACTGTGTCCAATCTTTTAAATTAATGTTTTTGTGTAATGGA
CTATATAAATACCTTCGTATATATGGCAGACCACAGGACTTCTGTCCAAGAGAAGTGAAT
TCAACTCCATCTATGCCAGCCTGGGCAACAGAGCGAGACTCCAACCTCAGAAAAAGCAAAA
CAAAACAAACAAACAAAGCAAAAACCAATTAGACTGACAGCTGACTTTTTTAGGAGCA
ATATTGGAAGGCTAAATGCAATAGAAAGATGTCTTTGATGGCTTAAAGAGAAATAAATGTT
GTTTTAGAAAGCCTACTCAATGAAAACACATTTTAAAGACTGAAAGTGAATATAGATATT
AACATATAATTCAGGTATTAGGAAAGTGATCCCAGATTAGATTTTTGAGATCCAAAAAAA
ATGAAAACCTAGGAAAGTAGCAAAATATGTGAGCAAAATGAAACAATACTTGTGTAAAA
ATGATGGTTTGTAGAGGGTCAAACATCAATGTAATATTGAAATACCAATATTATATAG
CCCAGAACTATAATAACATAAAGTTCAGAAGAGTGAAATAGAATTTATATTACATAAA
GTCTTTATATTTTCCAGAGAAAATTAATGTTATGATGAATGTTAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198845 unedited GGCGTCAGTATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATCCCGGGATCGCGC TCCTCCCCAGCCACCCGTTCTCCCCGAGTCCTTCCCCTCCACTCCCTTCCCCTTCTCT GCTCATGCAGGGAGCCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTGCCCT GCTGTGGCAGGGGCCCTGGCTCAGGAGCGGAGATTCCAGCTGGAGGGGCCAGAGTCACT GACGGTGCAGGAGGGTCTGTGCGTCCTCGTACCCTGCAGATTGCCACTACCTTCCAGC CTCGTACTATGGTTATGGCTACTGGTTCTGGAAGGGGCTGATGTTCCAGTGGCCACAAA CGACCCAGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGATTCCACCTCCTCTGGGATCC CAGAAGGAAGAACTGCTCCCTGAGCATCAGAGATGCCCGAGGAGGGACAATGCTGCATA CTTCTTTTCGGTTGAAGTCCAAATGGATGAAATACGGTTATACATCTTCCAAGCTCTCTGT GCGTGTGATGGCCCTGACCCACAGGCCAACATCTCCATCCCAGGGACCTGGAGTCTGG CCATCCCAGCAATCTGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCCCCCAT CTTCTCCTGGATGTCAGCTGCCCCACCTCCCTGGGCCCCAGGACCACCCAGTCTCGGT GCTCACAATCACCCACGGCCCCCAGGACCACAGCACCAACCTCACCTGTCAGGTGACGT TCCTGGAGCCGGTGTGACCATGGAGAGAACCATCCAGCTCAATGTCTCCTCCNTCAAAA TCCTGCAAAACACCTCGTCCCTCCTGTCTGGAGGGCCANGCTCTGCGGCTGCTCTGTG ATGCTGACGG
Restriction Sites:	Please inquire
ACCN:	NM_198845
Insert Size:	2571 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_198845.1, NP_942142.1</u>
RefSeq Size:	2664 bp
RefSeq ORF:	1314 bp
Locus ID:	946
UniProt ID:	<u>O43699</u>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

This gene encodes a member of the SIGLEC (sialic acid binding immunoglobulin-like lectin) family of proteins. The encoded transmembrane receptor binds sialyl-TN glycans and leptin. Placental expression of the encoded protein is upregulated in preeclampsia. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.