

Product datasheet for **SC307794**

SIGLEC6 (NM_198846) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC6 (NM_198846) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIGLEC6
Synonyms:	CD33L; CD33L1; CD33L2; CD327; CDW327; OBBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307794 representing NM_198846. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGGAGCCAGGAAGCCTCCGCTCAGAGATGCTACCGCTGCTGCTGCCCTGCTGTGGGCAGGG
GCCCTGGCTCAGGAGCGGAGATTCCAGCTGGAGGGGCCAGAGTCACTGACGGTGCAGGAGGGTCTGTGC
GTCCTCGTACCCTGCAGATTGCCACTACCCTCCAGCCTCGTACTATGGTTATGGCTACTGGTCTCTG
GAAGGGGCTGATGTTCCAGTGGCCACAACGACCCAGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGA
TCCACCTCCTCTGGGATCCCAGAAGGAAGAACTGCTCCCTGAGCATCAGAGATGCCGGAGGAGGGAC
AATGCTGCATACTCTTTTCGGTTGAAGTCAAATGGATGAAATACGGTTATACATCTTCCAAGCTCTCT
GTGCGTGTGATGGCCCTGACCCACAGGCCCAACATCTCCATCCCAGGGACCTGGAGTCTGGCCATCCC
AGCAATCTGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCCCCCATCTTCTCCTGGATGTCA
GCTGCCCCACCTCCCTGGGCCCCAGGACCACCCAGTCCCTCGGTGCTCACAATCACCCACGGCCCCAG
GACCACAGCACCACCTCACCTGTGAGGTGACGTTCCCTGGAGCCGGTGTGACCATGGAGAGAACCATC
CAGCTCAATGTCTCTATGCTCCACAGAAAGTGGCCATCAGCATCTTCCAAGGAAACAGCGCAGCCTTC
AAAATCCTGCAAAACACCTCGTCCCTCCCTGTCTGGAGGGCCAGGCTCTGCGGCTGCTCTGTGATGCT
GACGGCAACCCCTGCACACCTGAGCTGGTCCAGGGCTTCCCCGCCCTGAACGCCACCCCATCTCC
AATACCGGGTCTGGAGCTGCCTCAAGTAGGGTCTGCAGAAGAAGGAGATTTACCTGCCGTGCTCAG
CATCTCTGGGCTCCCTGCAAATCTCTGAGTCTCTTGTGCATTGGTCATCAGCACCAGTTCCAGAC
AGGCATAGTTTCAGACCACCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map: □



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ACCN:	NM_198846
Insert Size:	1062 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).
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:	<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_198846.5</u>
RefSeq Size:	3687 bp
RefSeq ORF:	1062 bp
Locus ID:	946
UniProt ID:	<u>O43699</u>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	38.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two exons in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, 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.</p>