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Product datasheet for SC328619

SIGLEC6 (NM_001177548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC6 (NM_001177548) 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:	>SC328619 representing NM_001177548. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAGGGAGCCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTGCCCCTGCTGTGGGCAGGG GCCCTGGCTCAGGAGCGGAGATTCCAGCTGGAGGGGCCAGAGTCACTGACGGTGCAGGAGGGTCTGTGC GTCCTCGTACCCTGCAGATTGCCCACTACCCTTCCAGCCTCGTACTATGGTTATGGCTACTGGTTCCTG GAAGGGGCTGATGTTCCAGTGGCCACAAACGACCCAGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGA TTCCACCTCCTCTGGGATCCCAGAAGGAAGAACTGCTCCCTGAGCATCAGAGATGCCCGGAGGAGGGAC AATGCTGCATACTTCTTTCGGTTGAAGTCCAAATGGATGAAATACGGTTATACATCTTCCAAGCTCTCT GTGCGTGTGATGGCCCTGACCCACAGGCCCAACATCTCCATCCCAGGGACCCTGGAGTCTGGCCATCCC AGCAATCTGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCCCCCCATCTTCTCCTGGATGTCA GCTGCCCCCACCTCCCTGGGCCCCAGGACCACCCAGTCCTCGGTGCTCACAATCACCCCACGGCCCCAG GACCACAGCACCAACCTCACCTGTCAGGTGACGTTCCCTGGAGCCGGTGTGACCATGGAGAGAACCATC CAGCTCAATGTCTCCTGGATGTTGAGGCGGCCACCTCTTTCCACCCCAGATGCTCCACAGAAAGTGGCC ATCAGCATCTTCCAAGGAAACAGCGCAGCCTTCAAAATCCTGCAAAACACCTCGTCCCTCCCTGTCCTG GAGGGCCAGGCTCTGCGGCTGCTCTGTGATGCTGACGGCAACCCCCCTGCACACCTGAGCTGGTTCCAG GGCTTCCCCGCCCTGAACGCCACCCCCATCTCCAATACCGGGGTCCTGGAGCTGCCTCAAGTAGGGTCT GCAGAAGAAGGAGATTTCACCTGCCGTGCTCAGCATCCTCTGGGCTCCCTGCAAATCTCTCTGAGTCTC TTTGTGCATTGGAAACCAGAAGGCAGGGCTGGTGGTGTCCTGGGAGCAGTCTGGGGAGCTAGCATCACA ACCCTGGTTTTCCTCTGTGTTTGCTTCATCTTCAGGGTCATCAGCACCAGTTCCAGACAGGCATAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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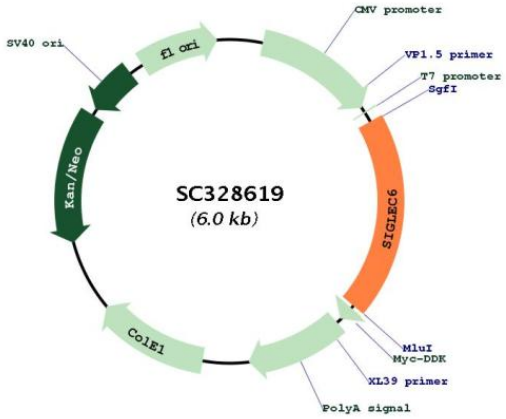
Plasmid Map:



ACCN:	NM_001177548
Insert Size:	1170 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:	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_001177548.2
RefSeq Size:	3814 bp
RefSeq ORF:	1170 bp
Locus ID:	946
UniProt ID:	O43699

Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	42.6 kDa

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 (5) uses an alternate, in-frame splice site and lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (5) 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.