

## Product datasheet for **RG230004**

### SIGLEC6 (NM\_001177547) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC6 (NM_001177547) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIGLEC6
Synonyms:	CD33L; CD33L1; CD33L2; CD327; CDW327; OBBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230004 representing NM_001177547 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAAGGAGCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTGCCCTGCTGTGGGCAGCCT  
CGTACTATGGTTATGGCTACTGGTTCCTGGAAGGGGCTGATGTTCCAGTGGCCACAAACGACCCAGACGA  
AGAAGTGCAGGAGGAGACCCGGGGCCGATTCCACCTCCTCTGGGATCCCAGAAGGAAGAACTGCTCCCTG  
AGCATCAGAGATGCCCGGAGGAGGACAATGCTGCATACTCTTTCCGGTTGAAGTCCAAATGGATGAAAT  
ACGGTTATACATCTTCCAAGCTCTCTGTGCGTGTGATGGCCCTGACCCACAGGCCAACATCTCCATCCC  
AGGGACCCTGGAGTCTGGCCATCCCAGCAATCTGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACG  
CCCCCATCTTCTCCTGGATGTCAGCTGCCCCACCTCCCTGGGCCCCAGGACCACCCAGTCCCTCGGTGC  
TCAATACACCCACGGCCCCAGGACCACAGCACCAACCTCACCTGTCAGGTGACGTTCCCTGGAGCCGG  
TGTGACCATGGAGAGAACCATCCAGTCAATGTCTCCTCCTTCAAATCCTGCAAAACACCTCGTCCCTC  
CCTGTCTGGAGGGCCAGGCTCTGCGGCTGCTCTGTGATGCTGACGGCAACCCCTGCACACCTGAGCT  
GGTCCAGGGCTCCCCGCCCTGAACGCCACCCCATCTCCAATACCGGGTCTGGAGCTGCCTCAAGT  
AGGCTCTGCAGAAGAAGGAGATTTACCTGCGGTGCTCAGCATCCTCTGGGCTCCCTGCAATCTCTCTG  
AGTCTCTTGTGCATTGAAACCAAGCAGGAGGCTGGTGTCTGGGAGCAGTCTGGGAGCTAGCA  
TCACAACCTGGTTTTCTCTGTGTTGCTTCATCTCAGAGTGAAGACTAGAAGGAAGAAAGCAGCCCA  
GCCAGTGCAAAACACGGATGATGTGAACCCGTCATGGTCTCAGGCTCCAGGGTCTCAGCACCAGTTC  
CAGACAGGCATAGTTTCAGACCACCTGCTGAGGCTGGCCCATCTCAGAAGATGAGCAGGAGCTCCACT  
ACGCTGCTTACACTTCCACAAGGTGCAACCTCAGGAACCAAGGTCACCGACACTGAGTACTCAGAAAT  
CAAGATACACAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG230004 representing NM\_001177547  
 Red=Cloning site Green=Tags(s)

MQGAQEASASEMLPLLLPLLWAASYGYGYWFLEGADVPVATNDPDEEVQEETRGRFHLLWDP RRKNCSL  
 SIRDARRRDNAAYFFRLKSKWMKYGYTSSKLSVRVMALTHRPNISIPGTLESGHPSNLTCVSPWVCEQGT  
 PPIFSWMSAAPTSLGPRTTQSSVLTITPRPQDHSTNLTCQVTFPGAGVTMERTIQLNVSSFKILQNTSSL  
 PVLEGQALRLLCDADGNPPAHL SWFQGFALNATPISNTGVLELPQVGSAAEEGDFTCRAQHPLGSLQISL  
 SLFVHWKPEGRAGVGLGAVWGASITTLVFLCVCFIFRVKTRRKKAAQPVQNTDDVNPVMVSGSRGHQHQF  
 QTGI VSDHPAEAGPISEDEQELHYAVLHFHKVQPQEPKVTDT EYSEIKIHK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177547

**ORF Size:** 1203 bp

**OTI Disclaimer:** 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\\_001177547.3](#)

**RefSeq Size:** 1966 bp

**RefSeq ORF:** 1206 bp

**Locus ID:** 946

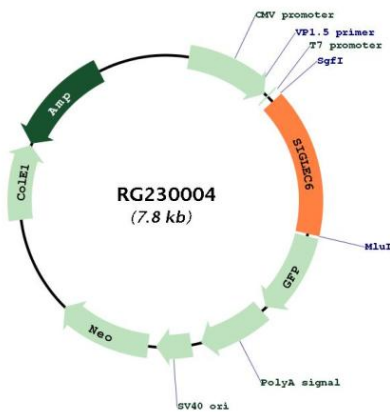
**UniProt ID:** [O43699](#)

**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]

### Product images:



Circular map for RG230004