

Product datasheet for **RG229981**

SIGLEC6 (NM_001177548) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SIGLEC6 (NM_001177548) 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: | >RG229981 representing NM_001177548 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGGAGCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTGCCCTGCTGTGGGCAGGGG
CCCTGGCTCAGGAGCGGAGATTCAGCTGGAGGGGCCAGAGTCACTGACGGTGCAGGAGGGTCTGTGCGT
CCTCGTACCCTGCAGATTGCCACTACCCTCCAGCCTCGTACTATGGTTATGGTACTGGTTCTGGAA
GGGGCTGATGTTCCAGTGGCCACAAACGACCCAGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGATTCC
ACCTCCTCTGGGATCCCAGAAGGAAGAACTGCTCCCTGAGCATCAGAGATGCCCGGAGGAGGACAATGC
TGCACTACTCTTTTCGGTTGAAGTCCAAATGGATGAAATACGGTTATACATCTTCCAGGCTCTGTGCGT
GTGATGGCCCTGACCCACAGGCCAACATCTCCATCCCAGGGACCCTGGAGTCTGGCCATCCCAGCAATC
TGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCCCCCATCTTCTCCTGGATGTGAGTGGCCC
CACCTCCTGGGGCCAGGACCACCCAGTCCCTCGGTGCTCACAATCACCCACGGCCCGGAGGACCACAGC
ACCAACCTCACCTGTGAGGTGACGTTCCCTGGAGCCGGTGTGACCATGGAGAGAACCATCCAGCTCAATG
TCTCCTGGATGTTGAGGCGGCCACCTCTTCCACCCAGATGCTCCACAGAAAGTGGCCATCAGCATCTT
CCAAGGAAACAGCGCAGCCTTCAAAATCCTGCAAAACACCTCGTCCCTCCCTGTCTGAGGGCCAGGCT
CTGCGGCTGCTCTGTGATGCTGACGGCAACCCCTGCACACCTGAGCTGGTTCCAGGGCTTCCCGGCC
TGAACGCCACCCCATCTCCAATACCGGGTCTGGAGCTGCTCAAGTGGGTCTGCAGAAGAAGGAGA
TTTCACCTGCCGTGCTCAGCATCTCTGGGCTCCCTGCAAAATCTCTCTGAGTCTCTTTGTGATTGAAA
CCAGAAGGAGGCTGGTGGTGTCTGGGAGCAGTCTGGGAGCTAGCATCACAACCTGGTTTTCTCT
GTGTTTGTCTCATCTTCAGGTCATCAGCACCAGTTCAGACAGGCA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >RG229981 representing NM_001177548
 Red=Cloning site Green=Tags(s)

MQGAQEASASEMLPLLLPLLWAGALQERRFQLEGPESLTVQEGLCVLPCRLPTTLPASYYGWYFLE
 GADVPVATNDPDEEVQEETRGRFHLLWDP RRKNC SL SIRDARRRDNAA YFFRLKSKWMKYGYTSSKLSVR
 VMALTHRPNISIPGTLESGHPSNLTCSVPWVCEQGTPIFSWMSAAPTSLGPRTTQSSVLTITPRPQDHS
 TNLTCQVTFPGAVTMERTIQLNVSWMLRRPPLSTPDAPQKVAISIFQGN SAAFKILQNTSSLPVLEGQA
 LRLLCDADGNPPAHL SWFQGFALNATPISNTGVLELPQVGSAAEEDFTCRAQHPLGSLQISLSL FVHWK
 PEGRAGGVLGAVWGASITTLVFLCVCFIFRVISSSRQA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177548

ORF Size: 1167 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_001177548.3](#)

RefSeq Size: 2073 bp

RefSeq ORF: 1170 bp

Locus ID: 946

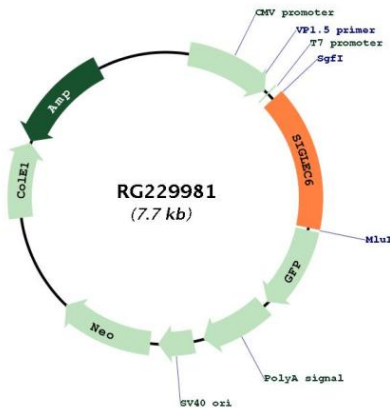
UniProt ID: [O43699](#)

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 RG229981