

Product datasheet for **RG223954**

SIGLEC6 (NM_001245) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC6 (NM_001245) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG223954 representing NM_001245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGGAGCCAGGAAGCCTCCGCCTCAGAGATGCTACCGCTGCTGCTGCCCTGCTGTGGGCAGGGG
 CCCTGGCTCAGGAGCGGAGATTCAGCTGGAGGGCCAGAGTCACTGACGGTGCAGGAGGGTCTGTGCGT
 CCTCGTACCCTGCAGATTGCCACTACCCTCCAGCCTCGTACTATGGTTATGGCTACTGGTTCCTGGAA
 GGGGCTGATGTTCCAGTGGCCACAAACGACCCAGACGAAGAAGTGCAGGAGGAGACCCGGGGCCGATTCC
 ACCTCCTCTGGGATCCCAGAAGGAAGAACTGCTCCCTGAGCATCAGAGATGCCCGGAGGAGGGACAATGC
 TGCATACTTTTCGGTTGAAGTCCAAATGGATGAAATACGGTTATACATCTTCCAAGCTCTCTGTGCGT
 GTGATGGCCCTGACCCACAGGCCAACATCTCCATCCCAGGGACCCTGGAGTCTGGCCATCCCAGCAATC
 TGACCTGCTCTGTGCCCTGGGTCTGTGAGCAGGGGACGCCCCCATCTTCTCCTGGATGTCAGCTGCCCC
 CACCTCCCTGGGCCCCAGGACCACCCAGTCTCGGTGCTCACAATCACCCACGGCCCCAGGACCACAGC
 ACCAACCTCACCTGTGAGGTGACGTTCCCTGGAGCCGGTGTGACCATGGAGAGAACCATCCAGCTCAATG
 TCTCTATGCTCCACAGAAAGTGGCCATCAGCATCTTCCAAGGAAACAGCGCAGCCTTCAAATCCTGCA
 AAACACCTCGTCCCTCCCTGTCTGGAGGGCCAGGCTCTGCGGCTGCTCTGTGATGCTGACGGCAACCCC
 CCTGCACACCTGAGCTGGTTCAGGGCTTCCCCGCCCTGAACGCCACCCCATCTCCAATACCGGGGTCC
 TGGAGTGCCTCAAGTAGGGTCTGCAGAAGAAGGAGATTCACCTGCCGTGCTCAGCATCCTCTGGGCTC
 CCTGCAATCTCTGAGTCTCTTTGTGATTGGAACCAGAAGGAGGGCTGGTGGTGTCTGGGAGCA
 GTCTGGGGAGCTAGCATCACAACCTGGTTTTCTCTGTGTTTGTCTTCACTTTCAGAGTGAAGACTAGAA
 GGAAGAAAAGCAGCCAGCCAGTCAAAAACAGGATGATGTGAACCCGTCATGGTCTCAGGCTCCAGGGG
 TCATCAGCACCAGTTCAGACAGGCATAGTTTCAGACCACCTGCTGAGGCTGGCCCCATCTCAGAAGAT
 GAGCAGGAGCTCCACTACGCTGTCTACTTCCACAAGGTGCAACCTCAGGAACCAAAGTCCACCGACA
 CTGAGTACTCAGAAATCAAGATACACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223954 representing NM_001245
 Red=Cloning site Green=Tags(s)

MQGAQEASASEMLPLLLPLLWAGALAQERRFQLEGPESLTVQEGLCVLPCRLPTTLPASYYGYYWFLF
 GADVPVATNDPDEEVQEETRGRFHLLWPRRKNCSLSIRDARRRDNAAYFFRLKSKWMKYGYTSSKLSVR
 VMALTHRPNISIPGTLESGHPSNLTCSPVWVCEQGTPIFSWMSAAPTSLGPRTTQSSVLITPRPQDHS
 TNLTCQVTFPGAGVTMERTIQLNVSYAPQKVAISIFQGNAAFKILQNTSSLPVLEGQALRLLCDADGNP
 PAHL SWFQGFALNATPISNTGVLELPQVGSAAEEDFTCRAQHPLGSLQISLSLFVHWKPEGRAGGVLGA
 VWGASITTLVFLCVCFIFRVKTRRKKAAQPVQNTDDVNPVMVSGSRGHQHQFQTGIVSDHPAEAGPISED
 EQELHYAVLHFHKVQPQEPKVTDTSEYSEIKIHK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001245

ORF Size: 1359 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001245.7](#)

RefSeq Size: 2712 bp

RefSeq ORF: 1362 bp

Locus ID: 946

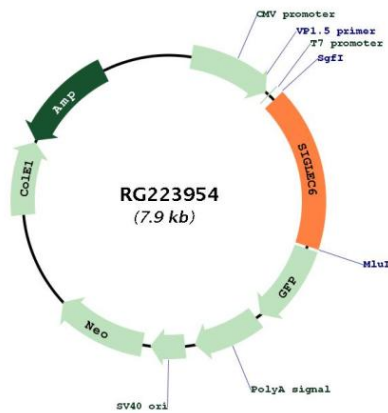
UniProt ID: [O43699](#)

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 RG223954