

## Product datasheet for **RC230263**

### **SIGLEC10 (NM\_001171158) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SIGLEC10 (NM_001171158) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIGLEC10
Synonyms:	PRO940; SIGLEC-10; SLG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230263 representing NM\_001171158  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTACTGCCACTGCTGCTGTCTCGCTGCTGGCGGGTCCCAGGCTATGGATGGGAGATTCTGGATAC  
 GAGTGCAGGAGTCAAGTGGTCCGGAGGGCCTGTGCATCTCTGTGCCCTGCTCTTTCTCTACCCCG  
 ACAAGACTGGACAGGGTCTACCCAGCTTATGGCTACTGGTCAAAGCAGTGACTGAGACAACCAAGGGT  
 GCTCCTGTGGCCACAACCACCAGAGTCGAGAGGTGAAATGAGCACCCGGGGCCGATTCCAGCTCACTG  
 GGGATCCCGCCAAGGGAACTGCTCCTTGGTGATCAGAGACGCGCAGATGCAGGATGAGTACAGTACTT  
 CTTTCGGTGGAGAGAGGAAGCTATGTGAGATAAATTCATGAACGATGGGTTCTTTCTAAAAGTAACA  
 GGAACCAACCAACGACCTCCACTTCTCAGTGTCTCAGCTTACGCCCAGACCCAGGACCACAACCCG  
 ACCTCACCTGCCATGTGGACTTCTCCAGAAAGGGTGTGAGCGCACAGAGGACCGTCCGACTCCGTGTGGC  
 CTATGCCCCAGAGACCTTGTATCAGCATTTCAGTGACAACAGCCAGCCCTGGAGCCCCAGCCCCAG  
 GAAATGTCCATACCTGGAAGCCAAAAAGGCCAGTTCCTGCGGCTCCTCTGTGCTGCTGACAGCCAGC  
 CCCTGCCACACTGAGCTGGGTCCTGCAGAACAGAGTCTCTCCTCGTCCATCCCTGGGGCCCTAGACC  
 CCTGGGGCTGGAGCTGCCCGGGTGAAGGCTGGGGATTACAGGCGCTACACCTGCCGAGCGGAGAACAGG  
 CTTGGCTCCCAGCAGCGACCCCTGGACCTCTGTGCAGTATCCTCCAGAGAACCTGAGAGTGATGGTTT  
 CCCAAGCAAACAGGACAGTCTGGAAAACCTTGGGAACGGCAGTCTCTCCAGTACTGGAGGGCCAAAG  
 CCTGTGCCTGGTGTGTACACACAGCAGCCCCCAGCCAGGCTGAGCTGGACCCAGAGGGGACAGGTT  
 CTGAGCCCTCCAGCCCTCAGACCCCGGGTCTGGAGCTGCCTCGGGTTCAAGTGGAGCACGAAGGAG  
 AGTTCACTGCCACGCTCGGCACCACTGGGCTCCAGCAGTCTCTCTCAGCCTCCGTCACACTATAA  
 GAAGGGACTCATCTCAACGGCATTCTCCAACGGAGCGTTTCTGGGAATCGGCATCACGGCTCTTCTTTTC  
 CTCTGCCTGGCCCTGATCATCATGAAGATTCTACCGAAGAGACGACTCAGACAGAAACCCGAGGCCCA  
 GTTTCTCCCGGCACAGCACGATCCTGGATTACATCAATGTGGTCCCGACGGCTGGCCCCCTGGCTCAGAA  
 GCGGAATCAGAAAGCCACACCAACAGTCTCGGACCCCTCTCCACCAGGTGCTCCCTCCCAGAAATCA  
 AAGAAGAACCAGAAAAGCAGTATCAGTTGCCAGTTTCCAGAACCCAAATCATCCACTCAAGCCCCAG  
 AATCCCAGGAGCAAGAGGAGCTCCATTATGCCAGCTCAACTCCCAGGCGTCAGACCCAGGCTGA  
 GGCCCGGATGCCAAGGGCACCCAGGCGGATTATGCAGAAGTCAAGTTCCAA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230263 representing NM\_001171158  
 Red=Cloning site Green=Tags(s)

MLLPLLLSSLLGGSQAMDGRFWIRVQESVMVPEGLCISVPCSFYPRQDWTGSTPAYGYWFKAVTETTKG  
 APVATNHQSREVMSTRGRFQLTGDPKGNCSLVIRDAQMQDESQYFFRVERGSYVRYNFMNDGFFLKVT  
 GTKPTTSHFSVLSTPRPQDHTDLTCHVDFSRKGVSAQRTVRLRVAYAPRDLVISISRDNTPALEPQPQ  
 GNPYPYLEAQKQFLRLLCAADSQPPATLSWVLQNRVLSHPWGPRLGLELPGVKAGDSGRYTCRAENR  
 LGSQQRALDLSVQYPENLRVMVSQANRTVLENLNGTSLPVLEGQSLCLVCVTHSSPPARLSWTQRGQV  
 LSPSQSDPGVLELPRVQVEHEGEFTCHARHPLGSQHVLSLSVHYKKGLISTAFSNGAFLGIGITALLF  
 LCLALIIMKILPKRRTQTETPRPRFSRHSTILDYINVPVPTAGPLAQKRNQKATPNSPRTPLPPGAPSPES  
 KKNQKKQYQLPSFPEPKSSTQAPESQESQEELHYATLNFPGVRRPRPEARMPKGTQADYAEVKFQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8067\\_a01.zip](https://cdn.origene.com/chromatograms/mk8067_a01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001171158

**ORF Size:** 1662 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\\_001171158.1](#), [NP\\_001164629.1](#)

**RefSeq ORF:** 1665 bp

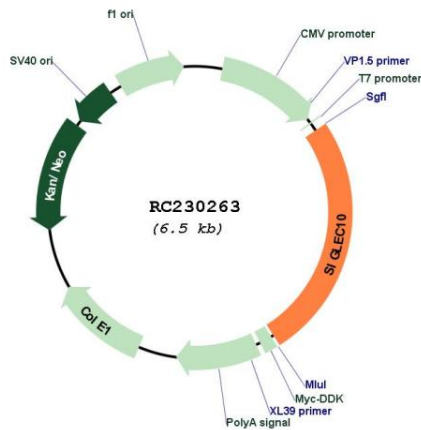
**Locus ID:** 89790

**UniProt ID:** [Q96LC7](#)

**Cytogenetics:** 19q13.41

Protein Families:	Druggable Genome, Transmembrane
MW:	61.8 kDa
Gene Summary:	SIGLECs are members of the immunoglobulin superfamily that are expressed on the cell surface. Most SIGLECs have 1 or more cytoplasmic immune receptor tyrosine-based inhibitory motifs, or ITIMs. SIGLECs are typically expressed on cells of the innate immune system, with the exception of the B-cell expressed SIGLEC6 (MIM 604405).[supplied by OMIM, Jul 2002]

### Product images:



Circular map for RC230263