

## Product datasheet for **RC230254**

### **SIGLEC10 (NM\_001171159) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SIGLEC10 (NM_001171159) 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:**

>RC230254 representing NM\_001171159  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTACTGCCACTGCTGCTGTCTCGCTGCTGGCGGGTCCCAGGCTATGGATGGGAGATTCTGGATAC  
 GAGTGCAGGAGTCAAGTGTGGTCCGGAGGGCCTGTGCATCTCTGTGCCCTGCTCTTTCTCTACCCCG  
 ACAAGACTGGACAGGGTCTACCCAGCTTATGGCTACTGGTCAAAGCAGTGAAGTGAACCAAGGGT  
 GCTCCTGTGGCCACAACCACCAGAGTCAAGAGGTGAAATGAGCACCCGGGGCCGATTCCAGCTCACTG  
 GGGATCCCGCCAAGGGAACTGCTCCTTGGTGTATCAGAGACGCGCAGATGCAGGATGAGTCAAGTACTT  
 CTTTCGGTGGAGAGAGGAAGCTATGTGAGATAAATTTTCATGAACGATGGGTTCTTTCTAAAAGTAA  
 GTGCTCAGCTTACGCCCAGACCCAGGACCACAACACCGACCTCACCTGCCATGTGGACTTCTCCAGAA  
 AGGGTGTGAGCGCACAGAGGACCGTCCGACTCCGTGTGGCCTATGCCCCAGAGACCTTGTATCAGCAT  
 TTCACGTGACAACACGCCAGCCCTGGAGCCCCAGCCCCAGGAAATGTCCCATACCTGGAAGCCAAAAA  
 GGCAGTTCTCTGCGGCTCCTCTGTGCTGTGACAGCCAGCCCCCTGCCACACTGAGCTGGGTCTGCAGA  
 ACAGAGTCTCTCTCTCGTCCCATCCCTGGGGCCCTAGACCCCTGGGGCTGGAGCTGCCCGGGGTGAAGG  
 TGGGGATTCAAGGCGCTACACCTGCCGAGCGGAGAACAGGCTTGGCTCCCAGCAGCGAGCCCTGGACCT  
 TCTGTGCAGTATCCTCCAGAACTGAGAGTGTGGTTTCCCAAGCAACAGGACAGTCTGGAAGAAC  
 TTGGGAACGGCACGTCTCTCCAGTACTGGAGGGCCAAAGCCTGTGCCTGGTCTGTGTACACACAGCAG  
 CCCCCAGCCAGGCTGAGCTGGACCCAGAGGGGACAGGTTCTGAGCCCCCTCCAGCCCTCAGACCCGGG  
 GTCTCCGAGCTGCCTCGGGTCAAGTGGAGCACGAAGGAGAGTTCACCTGCCACGCTCGGACCCACTGG  
 GCTCCCAGCAGCTCTCTCAGCCTCTCCGTGCACATAAAGAAGGACTCATCTCAACGGCATTCTCAA  
 CGGAGCGTTTCTGGGAATCGGCATCACGGCTCTCTTTTCTCTGCTGGCCCTGATCATCATGAAGATT  
 CTACCGAAGAGACGGACTCAGACAGAAACCCAGGCCAGGTTCTCCCGCACAGCAGCATCTGGATT  
 ACATCAATGTGGTCCCGACGGCTGGCCCCCTGGCTCAGAAGCGGAATCAGAAAGCCACACAAACAGTCC  
 TCGGACCCCTCTCCACCAGGTGCTCCCTCCCCAGAATCAAAGAAGAACCAGAAAAGCAGTATCAGTTG  
 CCCAGTTTCCAGAACCCAAATCATCCACTCAAGCCCCAGAATCCAGGAGAGCCAAAGAGGAGCTCCATT  
 ATGCCACGCTCAACTTCCAGCGTCAGACCCAGGCTGAGGCCCGGATGCCAAGGGCACCCAGGCGGA  
 TTATGCAGAAGTCAAGTCCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230254 representing NM\_001171159  
 Red=Cloning site Green=Tags(s)

MLLPLLLSSLLGGSQAMDGRFWIRVQESVMVPEGLCISVPCSFYSYPRQDWTGSTPAYGYWFKAVTETTKG  
 APVATNHQSREVMSTRGRFQLTGDPKGNCSLVIRDAQMQDESQYFFRVERGSYVRYNFMNDGFFLKVT  
 VLSFTPRPQDHTDLTCHVDFSRKGVSAQRTVRLRVAYAPRDLVISISRDNTPALEPQPQGNVPYLEAQK  
 GQFLRLLCAADSQPPATLSWVLQNRVLSSSHWPGRPLGLELPGVKAGDSGRYTCRAENRLGSQQRALDL  
 SVQYPPENLRVMVSQANRTVLENLNGTSLPVLEGQSLCLVCVTHSSPPARLSWTQRGQVLSQSPSDPG  
 VLELPRVQVEHEGEFTCHARHPLGSQHVLSLSVHYKKGLISTAFSNGAFLGIGITALLFLCLAL IIMKI  
 LPKRRTQTETPRPRFSRSTILDYINVVPTAGPLAQKRNQKATPNSPRTPLPPGAPSPESKKNQKKYQL  
 PSFPEPKSSTQAPESQESQEELHYATLNFPGVPRPRPEARMPKGTQADYAEVKFQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8066\\_e07.zip](https://cdn.origene.com/chromatograms/mk8066_e07.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001171159

**ORF Size:** 1632 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\\_001171159.1](#), [NP\\_001164630.1](#)

**RefSeq ORF:** 1635 bp

**Locus ID:** 89790

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

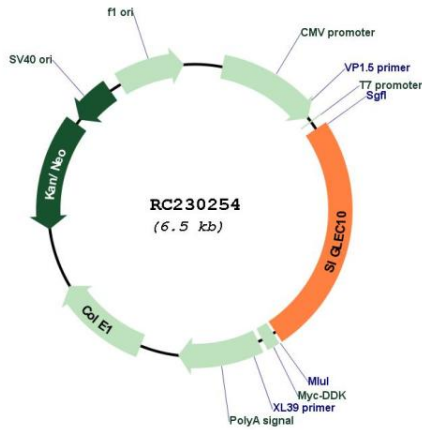
**Cytogenetics:** 19q13.41

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 60.8 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 RC230254