

Product datasheet for **RG230111**

SIGLEC10 (NM_001171161) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIGLEC10 (NM_001171161) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIGLEC10
Synonyms:	PRO940; SIGLEC-10; SLG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230111 representing NM_001171161
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTACTGCCACTGCTGCTGTCTCGCTGCTGGCGGGTCCCAGGCTATGGATGGGAGATTCTGGATAC
 GAGTGCAGGAGTCACTGATGGTCCGGAGGGCCTGTGCATCTCTGTGCCCTGCTCTTTCTCTACCCCG
 ACAAGACTGGACAGGGTCTACCCAGCTTATGGCTACTGGTCAAAGCAGTGAAGTGCAGACAAACCAAGGT
 GCTCCTGTGGCCACAAACCACAGAGTGCAGAGGTGAAATGAGCACCCGGGGCCGATTCCAGCTCACTG
 GGGATCCCGCCAAGGGAACTGCTCCTTGGTATCAGAGACGCGCAGATGCAGGATGAGTCACTACTT
 CTTTCGGTGGAGAGAGGAAGCTATGTGAGATATAATTTTCATGAACGATGGGTTCTTTCTAAAAGTAACA
 GTGCTCAGCTTACGCCCAGACCCAGGACCACAACCCGACCTCACCTGCCATGTGGACTTCTCCAGAA
 AGGGTGTGAGCGCACAGAGGACCGTCCGACTCCGTGTGGCCTATGCCCCAGAGACCTTGTATCAGCAT
 TTCACGTGACAACACGCCAGATCCTCCAGAGAACCTGAGAGTGTGGTTTCCAAGCAAACAGGACAGTC
 CTGAAAAACCTTGGGAACGGCAGCTCTCTCCAGTACTGGAGGGCCAAAGCCTGTGCCTGGTCTGTGTCA
 CACACAGCAGCCCCCAGCCAGGCTGAGCTGGACCCAGAGGGGACAGGTTCTGAGCCCCTCCAGCCCTC
 AGACCCGGGGTCTGGAGCTGCCTCGGGTTCAAGTGGAGCACGAAGGAGAGTTCACCTGCCACGCTCGG
 CACCCACTGGGCTCCCAGCAGTCTCTCTCAGCCTCTCCGTGCACTATAAGAAGGGACTCATCTCAACGG
 CATTCTCAACGGAGCGTTTCTGGGAATCGGCATCACGGCTCTTCTTTCTCTGCTGGCCCTGATCAT
 CATGAAGATTCTACCGAAGACGGACTCAGACAGAAACCCGAGGCCAGGTTCTCCGGCACAGCAGC
 ATCCTGGATTACATCAATGTGGTCCCAGCGCTGGCCCCCTGGCTCAGAAGCGGAATCAGAAAGCCACAC
 CAAACAGTCTCGGACCCCTCTCCACCAGGTGCTCCCTCCCAAGTCAAAGAAGAACCAGAAAAAGCA
 GTATCAGTTGCCAGTTTCCAGAACCCAAATCATCCACTCAAGCCCCAGAATCCAGGAGAGCCAAGAG
 GAGCTCCATTATGCCACGCTCAACTTCCAGGCGTCAGACCCAGGCTGAGGCCCGGATGCCCAAGGGCA
 CCCAGGCGGATTATGCAGAAGTCAAGTTCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230111 representing NM_001171161
 Red=Cloning site Green=Tags(s)

MLLPLLLSSLLGGSQAMDGRFWIRVQESVMVPEGLCISVPCSFYPRQDWTGSPAYGYWFKAVTETTKG
 APVATNHSREVMSTRGRFQLTGDPKAGNCSLVIRDAQMQDESQYFFRVERGSYVRYNFMNDGFFLKVT
 VLSFTPRPQDHTDLTCHVDFSRKGVSAQRTVRLRVAYAPRDLVISISRDNTDPDENLRVMVSQANRTV
 LENLNGTSLPVLEGQSLCLVCVTHSSPPARLSWTQRGQVLSQSPSDPGVLELPRVQVEHEGEFTCHAR
 HPLGSQHVSLSLSVHYKKGLISTAFSNGAFLGIGITALLFLCLALIIIMKILPKRRTQTETPRPRFSRHST
 ILDYINVVPTAGPLAQKRQKATPNSPRTPLPPGAPSPESKKNQKKQYQLPSFPEPKSSTQAPESQESQE
 ELHYATLNFPGVVRPRPEARMPKGTQADYAEVKFQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001171161

ORF Size: 1362 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_001171161.1](#), [NP_001164632.1](#)

RefSeq Size: 2671 bp

RefSeq ORF: 1365 bp

Locus ID: 89790

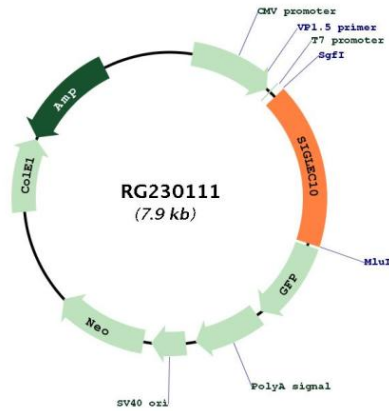
UniProt ID: [Q96LC7](#)

Cytogenetics: 19q13.41

Protein Families: Druggable Genome, Transmembrane

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 RG230111