

Product datasheet for **RG230254**

SIGLEC10 (NM_001171159) Human Tagged ORF Clone

Product data:

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

>RG230254 representing NM_001171159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTACTGCCACTGCTGCTGTCTCGCTGCTGGCGGGTCCCAGGCTATGGATGGGAGATTCTGGATAC
 GAGTGCAGGAGTCAAGTGTGGTCCGGAGGGCCTGTGCATCTCTGTGCCCTGCTCTTTCTCTACCCCG
 ACAAGACTGGACAGGGTCTACCCAGCTTATGGCTACTGGTCAAAGCAGTGAAGTGAACCAAGGGT
 GCTCCTGTGGCCACAACCACCAGAGTGCAGAGGTGAAATGAGCACCCGGGGCCGATTCCAGCTCACTG
 GGGATCCCGCCAAGGGAACTGCTCCTTGGTGTACAGAGACGCGCAGATGCAGGATGAGTACAGTACTT
 CTTTCGGTGGAGAGAGGAAGCTATGTGAGATAAATTCATGAACGATGGGTTCTTTCTAAAAGTAACA
 GTGCTCAGCTTACGCCCAGACCCAGGACCACAACCCGACCTCACCTGCCATGTGGACTTCTCCAGAA
 AGGGTGTGAGCGCACAGAGGACCGTCCGACTCCGTGTGGCCTATGCCCCAGAGACCTTGTATCAGCAT
 TTCACGTGACAACAGCCAGCCCTGGAGCCCCAGCCCCAGGAAATGTCCCATACCTGGAAGCCAAAAA
 GGCCAGTTCTCTCGGGCTCCTCTGTGCTGTGACAGCCAGCCCCCTGCCACACTGAGCTGGGCTCTGCAGA
 ACAGAGTCTCTCCTCGTCCCATCCCTGGGGCCCTAGACCCCTGGGGCTGGAGCTGCCCGGGGTGAAGGC
 TGGGGATTCAAGGCGCTACACCTGCCGAGCGGAGAACAGGCTTGGCTCCCAGCAGCGAGCCCTGGACCTC
 TCTGTGCAGTATCCTCCAGAACTGAGAGTGTGGTTTCCCAAGCAAACAGGACAGTCTGAAAAACC
 TTGGGAACGGCACGTCTCTCCAGTACTGGAGGGCCAAAGCCTGTGCCTGGTCTGTGTACACACAGCAG
 CCCCCAGCCAGGCTGAGCTGGACCCAGAGGGGACAGGTTCTGAGCCCCCTCCAGCCCTCAGACCCGGG
 GTCCTGGAGCTGCCTCGGGTCAAGTGGAGCACGAAGGAGAGTTCACCTGCCACGCTCGGACCCACTGG
 GCTCCCAGCAGTCTCTCTCAGCCTCTCCGTGCACTATAAGAAGGGACTCATCTCAACGGCATTCTCAA
 CGGAGCGTTTCTGGGAATCGGCATCACGGCTCTCTTTTCTCTGCTGGCCCTGATCATCATGAAGATT
 CTACCGAAGAGACGGACTCAGACAGAAACCCCGAGGCCAGGTTCTCCCGCACAGCAGCATCTGGATT
 ACATCAATGTGGTCCCGACGGCTGGCCCCCTGGCTCAGAAGCGGAATCAGAAAGCCACACAAACAGTCC
 TCGGACCCTCTTCCACCAGGTCTCCCTCCCCAGAATCAAAGAAGAACCAGAAAAGCAGTATCAGTTG
 CCCAGTTTCCAGAACCCAAATCATCCACTCAAGCCCCAGAATCCAGGAGAGCCAAAGAGGAGCTCCATT
 ATGCCACGCTCAACTTCCAGCGTCAGACCCAGGCTGAGGCCCGGATGCCAAGGGCACCCAGGCGGA
 TTATGCAGAAGTCAAGTCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230254 representing NM_001171159
 Red=Cloning site Green=Tags(s)

MLLPLLLSSLLGGSQAMDGRFWIRVQESVMVPEGLCISVPCSFYPRQDWTGSPAYGYWFKAVTETTKG
 APVATNHQSREVMSTRGRFQLTGDPKGNCSLVIRDAQMQDESQYFRVERGSYVRYNFMNDGFFLKVT
 VLSFTPRPQDHNTDLTCHVDFSRKGVSAQRTVRLRVAYAPRDLVISIRDNTPALEPQPQGNVPYLEAQK
 GQFLRLLCAADSQPPATLSWVLQNRVLSSSHWPGRPLGLELPGVKAGDSGRYTCRAENRSGSQRALDL
 SVQYPENLRVMYSQANRTVLENLNGTSLPVLEGQSLCLVCVTHSSPPARLSWTQRQVLSQSPSDPG
 VLELPRVQVEHEGEFTCHARHPLGSQHVLSLSVHYKGLISTAFSNGAFLGIGITALLFLCLALIIIMKI
 LPKRRTQTETPRPRFSRHSTILDYINVVPTAGPLAQKRNQKATPNSPRTPLPPGAPSPESKKNQKKYQL
 PSFPEPKSSTQAPESQESQEELHYATLNFPGVPRPRPEARMPKGTQADYAEVKFQ

TRTRPLE - GFP Tag - V

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 Size: 2941 bp

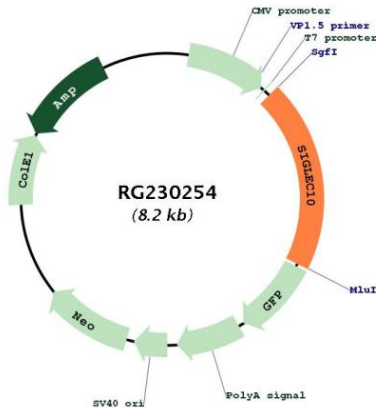
RefSeq ORF: 1635 bp

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 RG230254