

## Product datasheet for **SC305569**

### **SIGLEC10 (NM\_033130) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SIGLEC10 (NM_033130) Human Untagged Clone
Tag:	Tag Free
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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**Fully Sequenced ORF:** >SC305569 representing NM\_033130  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTACTGCCACTGCTGCTGTCTCGCTGCTGGGCGGGTCCAGGCTATGGATGGGAGATTCTGGATAC  
 GAGTGCAGGAGTCAGTGATGGTGCCGGAGGGCCTGTGCATCTCTGTGCCCTGCTCTTTCTCTACCCCCG  
 ACAAGACTGGACAGGGTCTACCCAGCTTATGGCTACTGGTCAAAGCAGTGACTGAGACAACCAAGGGT  
 GCTCCTGTGGCCACAACCACCAGAGTCGAGAGGTGAAATGAGCACCCGGGGCCGATTCCAGCTCACTG  
 GGGATCCCGCCAAGGGAACTGCTCCTTGGTGATCAGAGACGCGCAGATGCAGGATGAGTCACAGTACTT  
 CTTTCGGGTGGAGAGAGGAAGCTATGTGAGATAAATTCATGAACGATGGGTTCTTTCTAAAAGTAACA  
 GCCCTGACTCAGAAGCCTGATGTCTACATCCCCGAGACCCTGGAGCCCGGCAGCCGGTGACGGTCACT  
 GTGTGTTAACTGGCCCTTGGAGAAATGCCACCCCTCTTTCTCCTGGACGGGGCTGCCCTCTCCTC  
 CCAAGGAACCAACCAACGACCTCCACTTCTCAGTGCTCAGCTTACGCCAGACCCAGGACCACAAC  
 ACCGACCTCACCTGCCATGTGGACTTCTCCAGAAAGGGTGTGAGCGTACAGAGGACCGTCCGACTCCGTG  
 TGGCCTATGCCCCAGAGACCTTGTATCAGCATTTCACGTGACAACACGCCAGCCCTGGAGCCCCAGCC  
 CCAGGGAAATGTCCCATACCTGGAAGCCAAAAAGGCCAGTTCCTGCGGCTCCTCTGTGCTGCTGACAGC  
 CAGCCCCCTGCCACTGAGCTGGGTCCTGCAGAACAGAGTCTCTCCTCGTCCCATCCCTGGGGCCCTA  
 GACCCCTGGGGCTGGAGCTGCCCGGGTGAAGGCTGGGGATTACGGGCGTACACCTGCCAGCGGGAGAA  
 CAGGCTTGGCTCCAGCAGCGAGCCCTGGACCTCTGTGCAGTATCCTCCAGAGAACCTGAGAGTGATG  
 GTTCCCAAGCAAACAGGACAGTCTGGAAAACCTTGGAAACGGCACGTCTCTCCAGTACTGGAGGGCC  
 AAAGCCTGTGCCCTGGTCTGTGTACACACAGCAGCCCCCAGCCAGGCTGAGCTGGACCCAGAGGGGACA  
 GGTTCTGAGCCCTCCAGCCCTCAGACCCCGGGTCTGGAGCTGCCTCGGGTTCAAGTGAGCACGAA  
 GGAGAGTTCACCTGCCACGCTCGGCACCCACTGGGCTCCAGCACGTCTCTCAGCCTCTCCGTGCACT  
 ACTCCCCGAAGCTGCTGGGCCCTCCTGCTCCTGGGAGGCTGAGGGTCTGCACTGCAGCTGCTCCTCCA  
 GGCCAGCCCGGCCCTCTCTGCGCTGGTGGCTTGGGAGGAGCTGCTGGAGGGGAACAGCAGCCAGGAC  
 TCCTTCGAGGTACCCCCAGCTCAGCCGGGCCCTGGCCAACAGTCCCTGAGCCTCCATGGAGGGCTCA  
 GCTCCGGCCTCAGGCTCCGCTGTGAGGCTGGAACGTCCATGGGGCCAGAGTGGATCCATCCTGCAGCT  
 GCCAGATAAGAAGGACTCATCTCAACGGCATTCTCAACGGAGCGTTTCTGGGAATCGGCATCACGGCT  
 CTTCTTTCTCTGCCTGCCCTGATCATCATGAAGATTCTACCGAAGAGACGGACTCAGACAGAAACCC  
 CGAGGCCAGGTTCTCCGGCACAGCAGATCCTGGATTACATCAATGTGGTCCCGACGGCTGGCCCTC  
 GGCTCAGAAAGCGAATCAGAAAGCCACACCAAAACAGTCTCGGACCCCTTCCACCAGGTGCTCCCTCC  
 CCAGAATCAAAGAAGAACCAGAAAAAGCAGTATCAGTTGCCAGTTTCCAGAACCCAAATCATCCACTC  
 AAGCCCCAGAATCCCAGGAGAGCCAAGAGGAGCTCCATTATGCCAGCTCAACTCCCAGGGCTCAGACC  
 CAGGCTGAGGCCGGATGCCAAAGGGCACCCAGGCGGATTATGCAGAAGTCAAGTTCCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_033130

**Insert Size:** 2094 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_033130.2</a></u> , <u><a href="#">NP_149121.2</a></u>
<b>RefSeq Size:</b>	3400 bp
<b>RefSeq ORF:</b>	2094 bp
<b>Locus ID:</b>	89790
<b>UniProt ID:</b>	<u><a href="#">Q96LC7</a></u>
<b>Cytogenetics:</b>	19q13.41
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>