

## Product datasheet for **MC219125**

### **Siglecf (NM\_145581) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Siglecf (NM_145581) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Siglecf
Synonyms:	mSiglec-F; Siglec5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_145581, the custom clone sequence may differ by one or more nucleotides

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ATGCGGTGGGCATGGCTGCTGCCCTGCTGTGGGCAGGGTGCCTGGCTACGGACGGTTATTCGCTCTCAG
TGACTGGTTCAGTGACAGTGCAGGAGGGCCTGTGCGTCTTTGTAGCCTGCCAAGTCCAGTACCCCAATTC
CAAAGGTCTGTCTTTGGCTACTGGTTCGGGAGGGGGCCAATATATTCAGCGGCTCTCCAGTGGCTACA
AATGACCCACAGCGATCAGTACTGAAGGAAGCTCAAGGTCGATTCTATCTCATGGGGAAGGAAAATAGTC
ATAAATGCTCCCTGGACATCAGAGATGCACAGAAAATCGACACAGGGACGTACTTCTTCAGATTGGATGG
TTCTGTGAAATACAGTTTTCAGAAGTCAATGCTCTCTGTGCTTGTGATAGCTCTGACTGAGGTCCCTAAC
ATCCAAGTACATCTACCCTGGTGTCTGGCAATTCTACCAAAGTCTCTGTTCTGTG: CCCTGGGCTGT
GAGCAGGGGACACCCCATCTTTTCTGGATGTCATCTGCCCTCACTTCCCTGGGCCACAGGACCACC
TCTCTCAGAGCTGAACCTCACACCAGGCCTCAGGACAATGGCACCAACCTCACCTGCCAGGTGAACTT
ACCTGGCGCTGGTGTACTGTGGAGAGGACTCAACAGCTCAGTGTCTATGCTCCACAGAAGATGACC
ATCAGGGTGTCTGGGAGATGACACAGGAACTAAAGTCTGCAGAGTGGAGCATCTCTGCAGATCCAAG
AGGGTGAGTCCCTGAGCCTGGTCTGTATGGCTGACAGCAATCCCCCTGCCGTGCTGAGTTGGGAGGCC
GACCCAAAAGCCCTTCCAGCTCTTACCCCGGGAAGTCAACTGCCACGGGCGGAGTTGGAGGACCAG
GGAAAATACATCTGCCAAGCTCAGAACAGTCAAGGTGCTCAGACAGCCTCTGTGAGCCTCAGCATAAGGA
GCCTTCTACAGCTGCTGGGACCCCTCTGCTCCTTCGAGGGTCAAGGTCTGCACTGCAGCTGCTCCTCCAG
AGCCTGGCCTGCCCCCTCCCTGCGCTGGCGGCTGGGGGAGGGGTGCTGGAGGGGAACAGCAGCAATGGC
TCCTTTCACGGTTAAGTCCAGTCCGCAGGACAGTGGGCCAACAGTCCCTGATCCTCAGCATGGAATTCA
GCTCTAACACAGACTCAGCTGTGAAGCTTGGAGTGACAATAGAGTTCAGAGAGCCACTATCTTGTCTGT
GTCAGGCCCAAAGGTCTCACAGGCAGGCAAATCAGAAACCAGTAGAGGAACGGTCTGGGGCCATCTGG
GGAGCTGGTCTTATGGCCTTGCTTGTCTGCCTCTGCCTCATCTTCTTACAGTGAAGGTCTCAGGA
AGAAATCAGCCCTGAAAGTAGCAGCTACGAAAGGCAACCATCTTGCCAAGAACCCTGCCTCCACCATAAA
TAGTGCAAGCATAACTTCATCCAACATTGCGTTGGGATACCCAATCCAGGGTCTCTGAATGAACCAGGG
TCACAGACCCAGAAAGAACAGCCACCCCTTGCCACAGTCCAGACACCCAAAAGGATGAGCCTGAACTCC
ACTATGCCTCCCTCTCCTTCCAAGGCCGATGCCCCGAAGCCTCAGAACACGGAGGCTATGAAATCTGT
ATACACAGAGATCAAGATCCACAAGTGTGA
    
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_145581

**Insert Size:** 1710 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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="#">BC145987</a></u> , <u><a href="#">AAI45988</a></u>
<b>RefSeq Size:</b>	2253 bp
<b>RefSeq ORF:</b>	1710 bp
<b>Locus ID:</b>	233186
<b>UniProt ID:</b>	<u><a href="#">Q920G3</a></u>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	<p>Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the longer transcript and encodes a longer isoform (1).</p>