

Product datasheet for **MC228210**

Siglecf (NM_001271019) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Siglecf (NM_001271019) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Siglecf
Synonyms:	mSiglec-F; Siglec5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228210 representing NM_001271019
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGTGGGCATGGCTGCTGCCCTGCTGTGGGCAGGGTGCCTGGCTACGGACGGTTATTCGCTCTCAG
 TGA**CTGGTT**CAGTGACAGTGCAGGAGGGCCTGTGCGTCTTTGTAGCCTGCCAAGTCCAGTACCCCAATTC
 CAAAGGTCCTGTCTTTGGCTACTGGTCCGGGAGGGGGCCAATATATTCAGCGGCTCTCCAGTGGCTACA
 AATGACCCACAGCGATCAGTACTGAAGGAAGCTCAAGGTCGATTCTATCTCATGGGAAGGAAAATAGTC
 ATAATTGCTCCCTGGACATCAGAGATGCACAGAAAATCGACACAGGGACGTACTTCTTCAGATTGGATGG
 TTCTGTGAAATACAGTTTTTCAGAAGTCAATGCTCTCTGTGCTTGTGATAGCTCTGACTGAGGTCCCTAAC
 ATCCAAGTACATCTACCCTGGTGTCTGGCAATCTACCAAAGTCTGTTCTGTGCCCTGGCCCTGTG
 AGCAGGGGACACCCCCATCTTTTCTGGATGTCATCTGCCCTCACTTCCCTGGCCACAGGACCACCT
 CTCTCAGAGCTGAACCTCACACCCAGGCTCAGGACAATGGCACCAACCTCACCTGCCAGTGAACCTTA
 CCTGGCACTGGTGTACTGTGGAGAGGACTCAACAGCTCAGTGTCTATGCTCCACAGAAGATGACCA
 TCAGGGTGTCTGGGGAGATGACACAGGAATAAAGTCTGCAGAGTGGAGCATCTCTGCAGATCCAAGA
 GGGTGAGTCCCTGAGCCTGGTCTGTATGGCTGACAGCAATCCCCCTGCCGTGCTGAGTTGGGAGCGCCCG
 ACCCAAAGCCCTTCCAGCTCTTACCCCGCGGAACTGCAACTGCCACGGGCGGAGTTGGAGGACCAGG
 GAAAATACATCTGCCAAGCTCAGAACAGTCAGGGTGTCTCAGACAGCCTCTGTGAGCCTCAGCATAAGGAG
 CCTTCTACAGCTGCTGGGACCTCCTGCTCCTTCGAGGGTCAAGGTCTGCACTGCAGTCTCTCCAGA
 GCCTGGCCTGCCCTCCCTGCGCTGGCGGTGGGGGAGGGGTGCTGGAGGGGAACAGCAGCAATGGCT
 CCTTACGGTTAAGTCCAGCTCCGACAGTGGGCAACAGCTCCCTGATCCTCAGCATGGAATTCAG
 CTCTAACACAGACTCAGCTGTGAAGCTTGGAGTGACAATAGAGTTCAGAGAGCCACTATCTTGCTGGTG
 TCAGGCCCAAAGGTCTCACAGGTGAAGTCTCAGGAAGAAATCAGCCCTGAAAGTAGCAGCTACGAAAG
 GCAACCATCTTGCCAAGAACCCTGCCTCCACCATAAATAGTGCAAGCATAACTTCATCCAACATTGCGTT
 GGGATACCCAATCCAGGGTCATCTGAATGAACAGGGTACAGACCCAGAAAGAACAGCCACCCCTTGCC
 ACAGTCCAGACACCCAAAAGGATGAGCCTGAACTCCACTATGCCTCCCTCTCTTCCAAGGCCGATGC
 CCCCAGCCCTCAGAACACGGAGGCTATGAAATCTGTATACACAGAGATCAAGATCCACAAGTGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001271019

Insert Size: 1608 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001271019.1](#), [NP_001257948.1](#)

RefSeq Size: 2427 bp

RefSeq ORF: 1608 bp

Locus ID: 233186

UniProt ID: [Q920G3](#)

Cytogenetics: 7 B3

Gene Summary: 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]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.