

Product datasheet for **SC304090**

Siglec 7 (SIGLEC7) (NM_014385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Siglec 7 (SIGLEC7) (NM_014385) Human Untagged Clone
Tag:	Tag Free
Symbol:	Siglec 7
Synonyms:	AIRM-1; AIRM1; CD328; CDw328; D-siglec; p75; p75/AIRM1; QA79; SIGLEC-7; SIGLEC19P; SIGLECP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014385 edited
 GAGAGAAGAACCCTGAGGAACAGACGTTCCCTCGCGGCCCTGGCACCTCCAACCCAGAT
 ATGCTGCTGCTGCTGCTGCTGCCCTGCTCTGGGGGAGGGAGAGGGTGAAGGACAGAAG
 AGTAACCGGAAGGATTACTCGTGACGATGCAGAGTTCCTGACCGTGCAAGAGGGCATG
 TGTGTCCATGTGCGCTGCTCCTTCTCCTACCCAGTGGACAGCCAGACTGACTCTGACCCA
 GTTCATGGCTACTGGTTCGGGGCAGGGAATGATATAAGCTGGAAGGCTCCAGTGGCCACA
 AACAAACCAGCTTGGGCAGTGCAGGAGGAACTCGGGACCGATTCCACCTCCTTGGGGAC
 CCACAGACCAAAAATTGCACCCTGAGCATCAGAGATGCCAGAATGAGTGATGCGGGGAGA
 TACTTCTTTTCGTATGGAGAAAGGAAATATAAAATGGAATTATAAAATATGACCAGCTCTCT
 GTGAACGTGACAGCCTTGACCCACAGGCCAACATCCTTATCCCCGGTACCCTGGAGTCT
 GGCTGCTTCCAGAATCTGACCTGCTCTGTGCCCTGGGCTGTGAGCAGGGGACGCCCCCT
 ATGATCTCCTGGATGGGGACCTCTGTGTCCCCCTGCACCCTCCACCACCCGCTCTCA
 GTGCTCACCTCATCCCACAGCCCCAGCACCGGCACCAGCCTCACCTGTCAGGTGACC
 TTGCCTGGGGCCGGCGTGACCACGAACAGGACCATCCAATCAATGTGTCCTACCCTCT
 CAGAATTGACTGTGACTGTCTTCCAAGGAGAAGGCACAGCATCCACAGCTCTGGGGAAC
 AGCTCATCTCTTTCAGTCTAGAGGGCCAGTCTCTGCGCTTGGTCTGTGCTGTTGACAGC
 AATCCCCCTGCCAGGCTGAGCTGGACCTGGAGGAGTCTGACCCTGTACCCTCACAGCCC
 TCAAACCTCTGGTACTGGAGCTGCAAGTGCACCTGGGGGATGAAGGGGAATTCACCTGT
 CGAGCTCAGAACTCTCTGGGTTCCAGCACGTTTCCCTGAACCTCTCCCTGCAACAGGAG
 TACACAGGCAAAATGAGGCTGTATCAGGAGTGTGCTGGGGGCGGTGGGGGAGCTGGA
 GCCACAGCCCTGGTCTTCTCCTTCTGTGTCATCTTCATTGTAGTGAGGTCTGCAGG
 AAGAAATCGGCAAGGCCAGCAGCGGACGTGGGAGACATAGGCATGAAGGATGCAAAACACC
 ATCAGGGGCTCAGCCTCTCAGGGTAACCTGACTGAGTCTGGGCAGATGATAACCCCGCA
 CACCATGGCCTGGCTGCCACTCCTCAGGGGAGGAAAGAGAGATCCAGTATGCACCCCTC
 AGCTTTCATAAGGGGGAGCCTCAGGACCTATCAGGTCAAGAAGCCACCAACAATGAGTAC
 TCAGAGATCAAGATCCCCAAGTAAGAAAATGCAGAGGCTCGGGCTTGTGTTGAGGGTTAC
 GACCCCTCCAGCAAGGAGTCTGAGGCTGATTCCAGTAGAATTAGCAGCCCTCAATGCTG
 TGCAACAAGACATCAGAACTTATCCTCTTGTCTAACTGAAAATGCATGCCTGATGACCA
 AACTCTCCCTTTCCCATCCAATCGGTCCACACTCCCCGCCCTGGCTCTGGTACCACCC
 ATTCTCCTCTGTACTTCTAAGGATGACTACTTTAGATTCCGAATATAGTGAGATTGTA
 ACGTGAAA

Restriction Sites: NotI-NotI

ACCN: NM_014385

Insert Size: 1800 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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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:	<ol style="list-style-type: none">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_014385.1 , NP_055200.1
RefSeq Size:	1766 bp
RefSeq ORF:	1404 bp
Locus ID:	27036
UniProt ID:	Q9Y286
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Gene Summary:	<p>Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraosylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34+ cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>