

Product datasheet for **SC304431**

Siglec 7 (SIGLEC7) (NM_016543) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Siglec 7 (SIGLEC7) (NM_016543) 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_016543 edited
 TGAGAGAAGAACCCTGAGGAACAGACGTTCCCTCGCGGCCCTGGCACCTCCAACCCAGAG
 TATGCTGCTGCTGCTGCTGCTGCCCTGCTCTGGGGGAGGGAGAGGGTGGAAAGGACAGAA
 GAGTAACCGGAAGGATTACTCGCTGACGATGCAGAGTTCCGTGACCGTGAAGAGGGCAT
 GTGTGTCATGTGCGCTGCTCCTTCTCCTACCCAGTGGACAGCCAGACTGACTCTGACCC
 AGTTCATGGCTACTGGTTCGGGCAGGGAATGATATAAGCTGGAAGGCTCCAGTGGCCAC
 AAACAACCCAGCTTGGGCAGTGCAGGAGAACTCGGGACCGATTCCACCTCCTTGGGGA
 CCCACAGACCAAAAATTGCACCCTGAGCATCAGAGATGCCAGAATGAGTGATGCGGGGAG
 ATACTTCTTTTCGTATGGAGAAAGGAAATATAAAATGGAATTATAAATATGACCAGCTCTC
 TGTGAACGTGACAGACCCTCCTCAGAACTTGACTGTGACTGTCTTCCAAGGAGAAGGCAC
 AGCATCCACAGCTCTGGGGAACAGCTCATCTTTTCAGTCTAGAGGGCCAGTCTCTGCG
 CTTGGTCTGTGCTGTTGACAGCAATCCCCCTGCCAGGCTGAGCTGGACCTGGAGGAGTCT
 GACCCTGTACCCCTCACAGCCCTCAAACCCTCTGGTACTGGAGCTGCAAGTGCACCTGGG
 GGATGAAGGGGAATTCACCTGTCGAGCTCAGAACTCTCTGGTTCACAGCAGTTTCCCT
 GAACCTCTCCCTGCAACAGGAGTACACAGGCAAAATGAGGCCTGTATCAGGAGTGTGCT
 GGGGGCGGTGCGGGGAGCTGGAGCCACAGCCCTGGTCTTCTCCTTCTGTGTATCTT
 CATTGTAGTGAGTCTCGAGGAAGAAATCGGCAAGGCCAGCAGCGGACGTGGGAGACAT
 AGGCATGAAGGATGCAAAACCATCAGGGGCTCAGCCTCTCAGGGTAACTGACTGAGTC
 CTGGGCAGATGATAACCCCGACACCATGGCCTGGCTGCCCACTCCTCAGGGGAGGAAAG
 AGAGATCCAGTATGCACCCTCAGCTTTTCATAAGGGGGAGCCTCAGGACCTATCAGGTCA
 AGAAGCCACCAACAATGAGTACTCAGAGATCAAGATCCCCAAGTAAGAAAATGCAGAGGC
 TCGGGCTTGTGTTGAGGGTTCACGACCCCTCCAGCAAAGGAGTCTGAGGCTGATTCAGTA
 GAATTAGCAGCCCTCAATGCTGTGCAACAAGACATCAGAACTTATCCTCTTGTCTAACT
 GAAAATGCATGCCTGATGACCAAACTCTCCCTTCCCATCCAATCGGTCCACACTCCCC
 GCCCTGGCCTCTGGTACCCACCTTCTCCTCTGTACTTCTTAAGGATGACTACTTTAGA
 TTCCGAATATAGTGAGATTGTAACGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_016543

Insert Size: 1500 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 ORF of this clone is found to be a perfect match to NM_016543.1.

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_016543.1](#), [NP_057627.1](#)

RefSeq Size:	1476 bp
RefSeq ORF:	951 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 (2) lacks an in-frame coding exon, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.</p>