

Product datasheet for **MC208244**

Cd33 (NM_001111058) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd33 (NM_001111058) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd33
Synonyms:	gp67; Siglec-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208244 representing NM_001111058 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTGGCCACTGCCGCTGTTCTTGCTGTGTGCAGGCTCCCTGGCTCAGGATTTAGAATTCAGCTGG
TGGCGCCCGAGTCAGTGACAGTCGAGGAGGGCCTATGTGTCCATGTGCCCTGCAGTGTTTCTACCCCTC
CATTAAAGCTCACTTTAGGACCTGTGACCGCTCCTGGCTCCGAAAGGGGTCAGTCTCCATGAAGACTCT
CCAGTGGCCACAAGTGACCCAGACAAGTGCAGAAAGGCAACACAGGGCAGATCCAACCTCTGGGG
ACCCACAGAAACATGACTGTTCCCTGTTTCATCAGAGATGCACAGAAAAATGACACAGGAATGACTTCTT
CAGAGTGGTCAGAGAACCCTTTGTGAGATATTCTTACAAAAAAGCCAGCTGTCAGTGCATGTGACCTCT
CTATCACGGACTCCTGACATTATAATCCCGGGGACCCTGGAGGCTGGCTATCCTAGCAATCTCACCTGCT
CTGTGCCCTGGGCTTGTGAGCAGGGGACACCCCTACTTTCTCCTGGATGTCAACTGCCCTCACCTCCTT
GAGTTCCCGAACCACAGACTCCTCCGTGCTGACGTTTCACACCTCAGCCTCAGGACCATGGTACCAAACCTC
ACCTGCTTGGTGACCTTCTCTGGAGCAGGTGCTACTGTGGAAAGGACCATCCAGCTCAATGTTACCCGGA
AATCAGGCCAGATGAGAGAGCTGGTCTGGTGGCTGTGGGGAGGCAACGGTCAAGCTCCTGATTCTTGG
GCTCTGTCTCGTGTTCATTGTGATGTTCTGCAGAAGGAAGACAACAAAGCTGTCAGTGCACATGGGC
TGTGAAAATCCTATCAAGAGGCAGGAAGCGATCACATCCTATAAATCACTGCCTATCTCCAACCTGCATCTG
ATGCTGTGACTCCAGGATGTTCCATACACAGGCTCATCAGCAGGACTCCAAGGTGCACAGCAATCCTGAG
AATCCAAGACCCTTACAGAAGGACTCACCTCAGGAACAGAGCAGTGTCCACACTAAGATTTCTTGGATT
TCATGGGAGGGAAGCCTCAGGAGTACTCAGAGATCTAAATGCACCAAGCTTTGCTCTCCTGTGAAGAACC
TGTGCTCTATGGCTTCTGTGGATAATTCCTGCATCCCTCTGATCCCAGAGTGGGTTATGCTGCTGTG
TGTGAGTCTTACACTCAGT**TGA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1338_c08.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001111058
Insert Size:	1212 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001111058.1 , NP_001104528.1
RefSeq Size:	2571 bp
RefSeq ORF:	1212 bp
Locus ID:	12489
UniProt ID:	Q63994
Cytogenetics:	7 28.25 cM
Gene Summary:	<p>Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state (By similarity). Preferentially binds sialic acid to the short O-linked glycans of certain mucins (PubMed:12773563). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>