

Product datasheet for MC208243

Cd33 (NM_021293) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd33 (NM_021293) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd33
Synonyms: gp67; Siglec-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208243 representing NM_021293
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTGGCCACTGCCGCTGTTCTTGCTGTGTGCAGGCTCCCTGGCTCAGGATTTAGAATTCAGCTGG
 TGGCGCCCGAGTCAGTGACAGTCGAGGAGGGCCTATGTGTCCATGTGCCCTGCAGTGTTCCTACCCCTC
 CATTAAAGCTCACTTAGGACCTGTGACCGGCTCCTGGCTCCGAAAGGGGTCACTCTCCATGAAGACTCT
 CCAGTGGCCACAAGTGACCCAGACAAGTGCAGAAGGCAACACAGGGCAGATTTCAACTCCTTGGGG
 ACCCACAGAAACATGACTGTTCCCTGTTTCATCAGAGATGCACAGAAAAATGACACAGGAATGACTTCTT
 CAGAGTGGTCAGAGAACCTTTTGTGAGATATTCTTACAAAAAAGCCAGCTGTCACTGCATGTGACCTCT
 CTATCACGGACTCCTGACATTATAATCCCGGGGACCCTGGAGGCTGGCTATCCTAGCAATCTCACCTGCT
 CTGTGCCCTGGGCTTGTGAGCAGGGGACACCCCTACTTTCTCCTGGATGTCAACTGCCCTCACCTCCTT
 GAGTTCCCGAACACAGACTCCTCCGTGCTGACGTTACACCTCAGCCTCAGGACCATGGTACCAAACCTC
 ACCTGCTTGGTGACCTTCTCTGGAGCAGGTGCTCACTGTGAAAGGACCATCCAGCTCAATGTTACCCGGA
 AATCAGGCCAGATGAGAGAGCTGGTCTGGTGGCTGTGGGGAGGCAACGGTCAAGCTCCTGATTCTTGG
 GCTCTGTCTCGTGTTCATTGTGATGTTCTGCAGAAGGAAGACAACAAGCTGTCAAGTGCACATGGGC
 TGTGAAAATCCTATCAAGGCTCATCAGCAGGACTCCAAGGTGCACAGCAATCCTGAGAATCCAAGCCCT
 TACAGAAGGACTCACCTCAGGAACAGAGCAGTGTCCACACTAAGATTTCTTGGATTTTCATGGGAGGAA
 GCCTCAGGAGTACTCAGAGATCTAA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021293



[View online »](#)

Insert Size:	1005 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_021293.3 , NP_067268.1
RefSeq Size:	2488 bp
RefSeq ORF:	1005 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 (2) lacks an exon in the 3' coding region that results in a frameshift compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1.</p>