

Product datasheet for **SC334068**

CD99 (NM_001277710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD99 (NM_001277710) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD99
Synonyms:	HBA71; MIC2; MIC2X; MIC2Y; MSK5X
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334068 representing NM_001277710. Blue=Insert sequence Red=Cloning site Green=Tag(s)

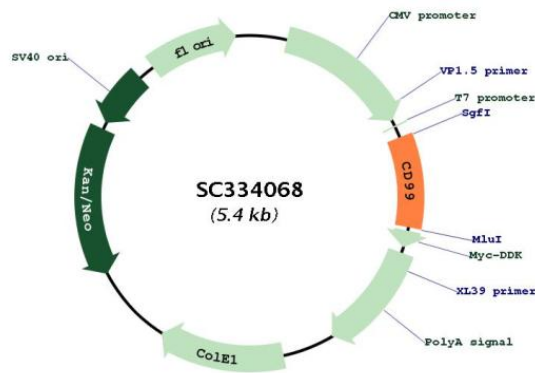
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGCGGGGCTGCGCTGGCGCTGCTGCTCTCGGCCTGCTGGGTGTTCTGGTCGCCGCCCGGAT
GGTGGTTTCGATTTATCCGATGCCCTTCTGACAATGAAAACAAGAAACCACTGCAATCCCAAGAAA
CCCAGTGCTGGGGATGACTTTGACTTAGGAGATGCTGTTGTTGATGGAGAAAATGACGACCCACGACCA
CCGAACCCACCAACCGATGCCAAATCCAACCCCAACCACCCTAGTTCCTCCGGTAGCTTTTCAGAT
GCTGACCTTGCGGATGGCGTTTCAGGTGGAGAAGGAAAAGGAGGCAGTGATGGTGGAGGCAGCCACAGG
AAAGAAGGGGAAGAGGCCGACGCCCCAGGCGTGATCCCCGGATTGTGGGGGCTGTCGTGGTCGCCGTG
GCTGGAGCCATCTAGCTTCATTGCTTACCAGAAAAAGAAGCTATGCTTCAAAGAAAATGATGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: NM_001277710

Insert Size: 483 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).

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_001277710.1](#)

RefSeq Size: 1270 bp

RefSeq ORF:	483 bp
Locus ID:	4267
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration
MW:	16 kDa
Gene Summary:	<p>The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (3, also known as type II) contains an alternate internal exon in the 3' end and uses an alternate splice junction in the penultimate exon compared to variant 1. The additional exon contains an in-frame stop codon, making the resulting isoform (c, also known as CD99sh) have a shorter and distinct C-terminus compared to isoform a.</p>