

Product datasheet for **SC318787**

CD99 (NM_001122898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD99 (NM_001122898) 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:	>SC318787 representing NM_001122898. Blue=Insert sequence Red=Cloning site Green=Tag(s)

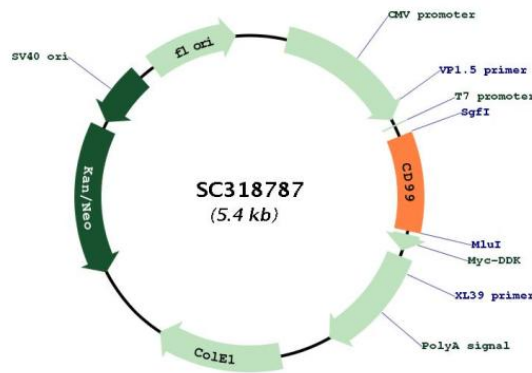
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGCGGGGCTGCGCTGGCGCTGCTCTTCGGCCTGCTGGGTGTTCTGGTCCGCCCCCGGAT
GGTGGTTTCGATTTATCCGATGCCCTTCTGGGGATGACTTTGACTTAGGAGATGCTGTTGTTGATGGA
GAAAATGACGACCCACGACCACCGAACCCACCCAAACCGATGCCAAATCCAAACCCCAACCACCTAGT
TCCTCCGGTAGCTTTTCAGATGCTGACCTTGGGATGGCGTTTCAGGTGGAGAAGGAAAAGGAGGCAGT
GATGGTGGAGGCAGCCACAGGAAAGAAGGGGAAGAGGCCGACGCCCCAGGCGTGATCCCCGGATTGTG
GGGGCTGTCGTGGTCCCGTGGCTGGAGCCATCTCTAGCTTCATTGCTTACCAGAAAAAGAAGCTATGC
TTCAAAGAAAATGCAGAACAAAGGGGAGGTGGACATGGAGAGCCACCGGAATGCCAACGCAGAGCCAGCT
GTTCAGCGTACTCTTTTAGAGAAATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN:	NM_001122898
Insert Size:	510 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001122898.2](#)

RefSeq Size: 1261 bp

RefSeq ORF: 510 bp

Locus ID: 4267

UniProt ID: [P14209](#)

Cytogenetics: X;Y

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

MW: 17.1 kDa

Gene Summary: 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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) is shorter compared to isoform a.