

## Product datasheet for **RC207079**

### CD99L2 (NM\_031462) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD99L2 (NM_031462) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD99L2
Synonyms:	CD99B; MIC2L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207079 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGGTGGCCTGGCGCTCGGCGTTCCTTGCTGCCTCGCTTTCTCCTTGGCCACCCTGGTCCAGCGAGGATCTGGGGACTTTGATGATTTTAACCTGGAGGATGCAGTGAAAGAACTTCCTCAGTAAAGCAGCCATGGGACACACCACCACCACAACCAATAGGCCAGGAACCACCAGAGCTCCGGCAAACCTCCAGGTAGTGGA TTGGACTTGGCTGATGCTTTGGATGATCAAGATGATGGCCGAGGAAACCGGTATAGGAGGAAGAGAGAGATGGAACCATGTAACCACCACGACCAAGAGGCCAGTAACCACCAGAGCTCCAGCAAATACTTTAGGAAATGATTTTGACTTGCTGATGCCCTGGATGATCGAAATGATCGAGATGATGGCCGAGGAAACCAATTGCTGGAGGAGGAGTTTTTTCAGACAAGGATCTTGAAGACATAGTAGGGGTGGAGAATACAAACCTGACAAGGTAAAGGTGATGGCCGTCACGGCAGCAATGACGACCCTGGATCTGGCATGGTGGCAGAGCCTGGCACCATTGCCGGGTGGCCAGCGCCCTGGCCATGGCCCTCATCGGTGCCGTCTCCAGCTACATCTCTACCAGCAGAAGAAGTTCTGCTTCAGCATTGAGCAGGGTCTCAACGCAGACTACGTGAAGGGAGAGAACCTGGAAGCCGTGGTATGTGAGGAACCCCAAGTAAATACTCCACGTTGCACACGCAGTCTGCAGAGCCGCCGCCGCCCGCCGAACCCAGCCCGGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC207079 protein sequence  
 Red=Cloning site Green=Tags(s)

MVAWRSAFLVCLAFSLATLVQRGSGDFDDFNLEDAVKETSSVKQPWDHTTTTTNRPGTTRAPAKPPGSG  
 LDLADALDDQDDGRRKPGIGGRERWNHVTTTTKRPVTTTRAPANTLGNDFDLADALDDRNRDDGRRKPIA  
 GGGGFSDKDLEDIVGGGEYKPKDKGKGDGRYGSNDPPGSGMVAEPGTIAGVASALAMALIGAVSSYISYQQ  
 KKFCSIQQLNADYVKGENLEAVVCEEPQVKYSTLHTQSAEPPPPPEPARI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6334\\_e10.zip](https://cdn.origene.com/chromatograms/mk6334_e10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_031462

**ORF Size:** 786 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_031462.4](#)

**RefSeq Size:** 3736 bp

**RefSeq ORF:** 789 bp

**Locus ID:** 83692

**UniProt ID:** [Q8TCZ2](#)

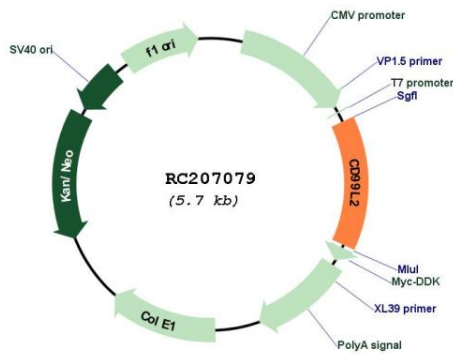
**Cytogenetics:** Xq28

**Protein Families:** Transmembrane

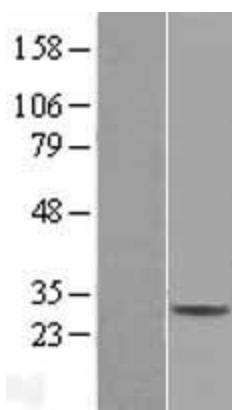
**MW:** 28 kDa

**Gene Summary:** This gene encodes a cell-surface protein that is similar to CD99. A similar protein in mouse functions as an adhesion molecule during leukocyte extravasation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

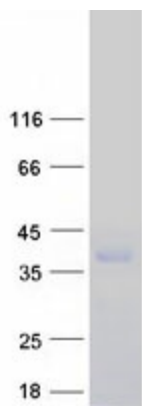
**Product images:**



Circular map for RC207079



Western blot validation of overexpression lysate (Cat# [LY410504]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207079 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CD99L2 protein (Cat# [TP307079]). The protein was produced from HEK293T cells transfected with CD99L2 cDNA clone (Cat# RC207079) using MegaTran 2.0 (Cat# [TT210002]).