

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCTGGCGCTCGGCGTTCCTTGCTGCCTCGCTTTCCTTGGCCACCCTGGTCCAGCGAGGAT
CTGGGGACTTTGATGATTTTAACCTGGAGGATGCAGTGAAAGAACTTCCTCAGTAAAGCAGCCATGGGA
CCACACCACCACCACAACCAATAGGCCAGGAACCACCAGAGCTCCGGCAAACCTCCAGGTAGTGGA
TTGGACTTGGCTGATGCTTTGGATGATCAAGATGATGGCCGAGGAAACCGGTATAGGAGGAAGAGAGA
GATGGAACCATGTAACCACCACGACCAAGAGGCCAGTAACCACCAGAGCTCCAGCAAATACTTTAGGAAA
TGATTTTGACTTGGCTGATGCCCTGGATGATCGAAATGATCGAGATGATGGCCGAGGAAACCAATTGCT
GGAGGAGGAGTTTTTCAGACAAGGATCTTGAAGACATAGTAGGGGTGGAGAATACAAACCTGACAAGG
GTAAGGTGATGGCCGGTACGGCAGCAATGACGACCCTGGATCTGGCATGGTGGCAGAGCCTGGCACCAT
TGCCGGGGTGGCCAGCGCCCTGGCCATGGCCCTCATCGGTGCCGTCTCCAGCTACATCTCTACCAGCAG
AAGAAGTTCTGCTTCAGCATTGAGCAGGGTCTCAACGCAGACTACGTGAAGGGAGAGAACCTGGAAGCCG
TGGTATGTGAGGAACCCCAAGTAAATACTCCAGTTGCACACGCAGTCTGCAGAGCCGCCGCCGCCGCC
CGAACCCAGCCCGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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

MVAWRSAFLVCLAFSLATLVQRGSGDFDDFNLEDAVKETSSVKQPWDHTTTTTNRPGTTRAPAKPPGSG
 LDLADALDDQDDGRRKPGIGGRERWNHVTTKRPVTTTRAPANTLGNDFDLADALDDRNRDDGRRKPIA
 GGGGFSDKDLEDIVGGGEYKPKDKGKGDGRYGSNDPGSGMVAEPGTIAGVASALAMALIGAVSSYISYQQ
 KKFCSIQQLNADYVKGENLEAVVCEEPQVKYSTLHTQSAEPPPPPEPARI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031462.4](#)

RefSeq Size: 3736 bp

RefSeq ORF: 789 bp

Locus ID: 83692

UniProt ID: [Q8TCZ2](#)

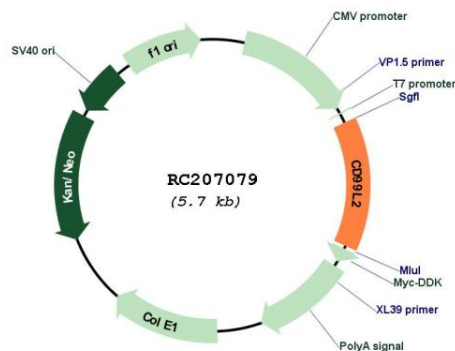
Cytogenetics: Xq28

Protein Families: Transmembrane

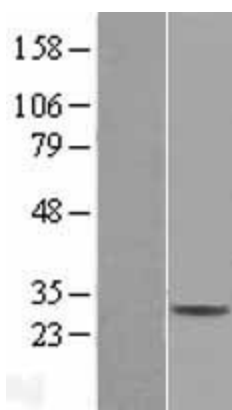
MW: 28 kDa

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]

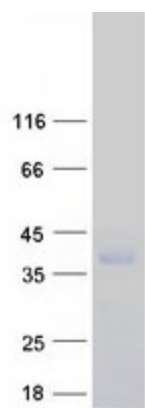
Product images:



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]).