

Product datasheet for **MR228698**

Cd99I2 (NM_001199349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd99I2 (NM_001199349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd99I2
Synonyms:	AW548191; Mic2l1; Xap89
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228698 representing NM_001199349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCAGGCTCACGGCTTTCCTCGTTTGCCTCGTTTTCTCCTTGGCCACCCTTGCCAGAGAGGAT
ATGGAGACACAGATGGTTTTAATCTGGAGGATGCACTGAAAGAACTTCTCAGTAAAGCAGAGATGGGA
CCACTTCAGCACCAGACTAGGAGGCCAGTAACAACCAGAGCCCCAGCAAATCCAGCAGAGAGATGGGAC
CATGTTGCCACTACTACAACTAGAAGGCCAGGAACAATAAGAGCACCATCAAATCCTATGGAAGTAGATG
GGTTTGACTTGAAGATGCCTTGGATGATCGAAATGATCTAGATGGTCCCAAAAAGCCAAGTGCAGGAGA
AGCAGGAGGTTGGTCAGACAAGGATCTTGAAGACATCGTGAAGGTGGGGGATACAAACCTGACAAGAAT
AAAGGCGGTGGTGGTTATGGCAGCAACGATGACCCTGGATCTGGCATATCGACAGAACTGGCACCATTG
CAGGTGTGGCCAGTGCCTTGTATGGCCCTGATTGGAGCTGTATCCAGCTACATCTCCTACCAGCAGAA
GAAGTTTTGCTTCAGCATTTCAGCAGGGCCTCAATGCAGACTACGTGAAGGGGAGAACCTGGAAGCTGTT
GTGTGTGAGGAGCCCCAAGTGACATACTCAAAACAAGAAACGCAGTCTGCAGAACCCCCACCACCCGAGC
CACCCCGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228698 representing NM_001199349
Red=Cloning site Green=Tags(s)

MVARLTAFLVCLVFLATLVQRGYGDTDGFNLEDALKETSSVKQRWDHFSTTTTRRPVTTTRAPANPAERWD
 HVATTTTRRPGTTRAPSNPMELDGFDLEDALDDRNDLDGPKKPSAGEAGGWSKDLIEDIVEGGGYKPKDN
 KGGGGYGSNDDPGSGISTETGTIAGVASALAMALIGAVSSYISYQKKFCFSIQQLNADYVYKGENLEAV
 VCEEPQVTYSKQETQSAEPPPPPEPRI

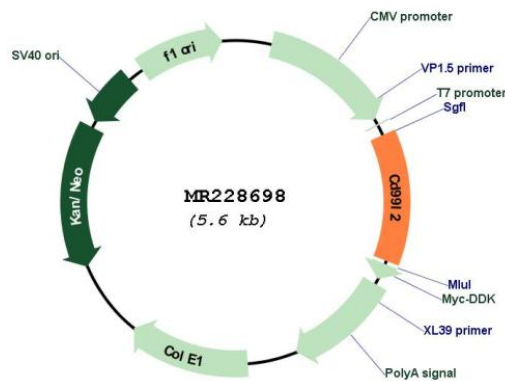
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001199349
ORF Size: 711 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:	<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_001199349.1 , NP_001186278.1
RefSeq Size:	3617 bp
RefSeq ORF:	714 bp
Locus ID:	171486
UniProt ID:	Q8BIF0
Cytogenetics:	X A7.3
MW:	25.9 kDa
Gene Summary:	Plays a role in a late step of leukocyte extravasation helping cells to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Homophilic adhesion molecule, but these interactions may not be required for cell aggregation. [UniProtKB/Swiss-Prot Function]