

Product datasheet for MR224362

Cd59a (NM 007652) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cd59a (NM_007652) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Cd59a

Synonyms: AA987121; Cd59; protectin

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR224362 representing NM_007652

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGAGCTCAGAGGGGACTCATCTTACTCCTGCTGCTTCTGGCTGTTCTGTTCCACAGCTGTTAGCC TCACATGCTACCACTGTTTCCAACCGGTGGTTTCTTCATGCAATATGAACAGCACTTGCTCTCCTGACCA GGATTCCTGTCTCTATGCTGTAGCCGGAATGCAAGTGTATCAAAGGTGTTGGAAACAATCAGATTGTCAT GGTGAGATCATTATGGACCAATTAGAAGAGACAAAATTAAAATTCAGATGCTGCCAGTTTAACTTGTGTA ACAAAAGTGACGGATCCTTGGGGAAGACACCATTGCTGGGGACCTCGGTTCTGGTGGCCATTTTGAATCT

TTGTTTCTTAAGTCATCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAG**GTTTAA**

Chromatograms: https://cdn.origene.com/chromatograms/mm9049 h01.zip

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

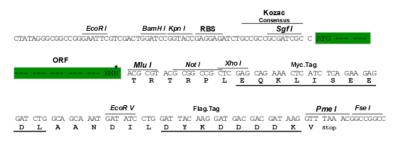
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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_007652

ORF Size: 369 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: <u>NM 007652.5, NP 031678.1</u>

 RefSeq Size:
 1703 bp

 RefSeq ORF:
 372 bp

 Locus ID:
 12509

 UniProt ID:
 055186

 Cytogenetics:
 2 54.53 cM

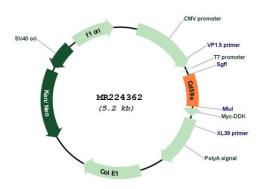
 MW:
 14.1 kDa

Gene Summary: Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding

to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore (By

similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224362