

Product datasheet for **MR224217**

Adam28 (NM_010082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_010082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam28
Synonyms:	C130072N01Rik; D430033C21Rik; Dtgn; Dtgn1; eMDCII; MDC-; MDC-L; MDCL; TECADAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224217 representing NM_010082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCAATGGAGTCTTCTGGTAGTCTCTTTCTTTCTTCTCCAGTTCAGTAAGTGAATAAAAGAAC
 TCCTAAAGCCAAGAAATATGAAGTGGTTATCCCATAGACTTCATCCATTGCGTAAAAGAGAGACCCA
 AGAGCCAGAGCCAAAGGAAACATTTGAACTGAGCTAAGGTACAAAATGACAGTAAATGGAAGGTTGCT
 GTGCTGTATCTGAAGAAGAACAAAGCTCCTTGCCTGACTACTCGGAAACATACTATAATTCCAGTG
 GAAACAAGGTCACCACAAGCCCGCAATTCATGGATAGCTGTTACTACCAAGGACACATCGTAAATGAGAA
 AGTTTCTGCAGCCAGCATCAGCACCTGTCAAGGACTACGGGGTTACATCAGTCAAGGAGATGAAAAGTAT
 TTTATCGAACCTTTGAGCTCGGAGAACTGGATGAACAGGCACATGCACTCTTCAAGGACGACTCCAATG
 AAGACCAGGAGAAGCAACTGTGGTGTGGATGATGCGCTATGGCTCCAAGGGCTGCATCAGGACGTGGC
 CCTCCCTGCCACAGGTTGATTAAGTTGAATGATGGGATGGTTCAAGAACCTAAGAAATACATAGAATAT
 TATGTGGTCTGGATAATGGTGAGTTAAGAAATACAATAAAAACTTTGCTGAAAACGAAAAGATAGTGC
 TTGAGATGGCCAATTACATCAACATGCTTTACAATAAGCTTGATGCCACGTGGCCCTTAGTTGGAGTGGA
 AATCTGGACCGATGGGGATAAAATAAGATAACACCAGATGCCAACACCACCCTGGAAAACCTTCTCTAAG
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 CTGGATCAACAGTGGGTCTAGCCTTCATGTCGTCGATGTGTTACCTTACCATTCTGTTGGCATTGTTCA
 GGACCACAGTAACTACCATCTTCGAGTCGCAGGAACAATGGCTCATGAAATGGGTCAAACTTTGGCATG
 ATTCATGACTACTTGAGCTGCAAGTGTCCATCTGAAGTCTGTGTAATGGAGCAGTCACTAAGGTTCCATA
 TGCTACAGACTTCAGCTCCTGCAGTCGTCAATTACAACAGTTTCTTGAAGAAAAATATCGCATG
 CCTCTTTAATAGCCCATTCATCAGATATCATATCCACCCAGTCTGTGGGAACCAAGTTGTTGGAATG
 AATGAGGACTGTGACTGTGGCACACCCAAGGAGTGTACTAACAAATGCTGTGATGCAAGGACCTGTAAAA
 TAAAGCAGGTTTCCAGTGTGCCCTGGGGAAATGCTGTGAGAAATGCCAACTTAAAAACCTGGGGTTGT
 GTGCAGAGCAGCAAAAGATGAGTGTGATCTGCCTGAAGTGTGATGGTAAATCCAGCCACTGCCAGGT
 GACAGATTCAGAGTCAATGGCTCCCTTGCCAAAATGGGCATGGTTACTGCTTGAAGGGCAAAATGTCCCA
 CCCTGCAGCAGCAGTGCATGGACATGTGGGGTCCAGGAACCAAGGTTGCAAATACATCATGTTACAAGCA
 GAATGAAGGTGGGACAAAGTACGGATACTGTCATGTGGAGAATGGCACACACATGCCCTGCAAAGCAAAA
 GATGCCATGTGTGGGAAATTGTTCTGTGAAGGCGGATCAGGTGATTTGCCCTGAAAGGACTTACCATAT
 CTTTCCTGACATGTAATTTATTTGATCCTGAAGACACAAGTCAAGGAGTAGACATGGTGGCAATGGAAC
 CAAGTGTGGAATAACAAGGTGTGCATTAATGCTGAGTGTGTGGACATGGAGAAGACTTACAAGTCAGCC
 AACTGCTCCTCAAAGTGAAGGGGCACGCAGTGTGTGACCATGAGCTTCAAGTGTGAGTGAAGGAAGGAT
 GGGCCCTCCTGACTGCGAGAATTCAGCCACAGTCTTCCACTTCTCCATCGTGGTGGCGTCTTTTCCC
 CCTAGCAGTCATATTTGGTGGTTGCTATAGTGTGATCCAGCGCCAAAGTGCCAGAAGGAAGCAGAGGAGA
 GTTCAGAGGCTACCATCCACCAAGGATGCCAAGCTACACAATCAGAAGTGTAGACCCCAAAAGGTGAAGG
 ATGTTCAACCCAGGAGATGAGTCAGATGAAAAAGCTCCATGTGTCTGATCTGCCCTCTGAAGAGCCGGA
 GCCTCCACCTGATGTCCTAATCACAAGCCAAATTTCCACCACCACCAATTCCTGTTTCTTGCAGGA
 AGAGCCAAAGTTCTTTTGTCAAGACACCTCATCTTTTAGTCAGCAAAATAGGCCGCGTGTACCTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224217 representing NM_010082
Red=Cloning site Green=Tags(s)

MQQWSLLVVSFLLSPVPVSAIKELPKAKKYEVVYPIRLHPLRKRETQEPEPKETFETELRYKMTVNGKVA
VLYLKNNKLLAPDYSEYYNSSGNKVTTSQIMDSCYYQGHIVNEKVAASISTCQGLRGYISQGDEKY
FIEPLSSENLDQAHALFKDSDNEQEKSNCGVDDALWLQGLHQDVALPATRLIKLNDGMVQEPKKYIEY
YVVLNNGEFKKYNKLAIEIRKIVLEMANYINMLYNKLDHVALVGVEIWTGDGKIKITPDANTTLENFSK
WRGNDLLKRKHHDIAQLISSTDFSGSTVGLAFMSSMCSYHSGIVQDHSNYHLRVAGTMAHEMGNLGM
IHDYLSCKCPSEVCVMEQSLRFHMPTDFSSCSRNYKQFLEEKLSHCLFNSPLPSDIISTPVCGNLLEM
NEDDCGTPKECTNKCCDARTCKIKAGFQCALGECCEKQKPKPGVVCRAAKDECDDLPEVCDGKSSHCPG
DRFRVNGSPCQNGHYCLKGKCPQLQQCMDMWGPQTKVANTSCYKQNEGGTKYGYCHVENGTHMPCKAK
DAMCGKLFCEGGSDLPWKGLTISFLTCKLDPEDTSQGVDMVANGTKCGTNKVCINAECVDMKTYKSA
NCSSKCKGHAVCDHELQCQCKEGWAPPDCENSATVFHFSIVVGVLFPLAVIFVVVAIVIQRQSARRKQRR
VQRLPSTKDAKLHNQCRPQKVKDVQPQEMSQMKKLHVSDLPSEEPEPPPDVLITKPNFPPPIPVSLTG
RAKVPFVKTPHPFSQQIGRVYLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_a02.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_010082

ORF Size: 2379 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_010082.2](#), [NP_034212.1](#)

RefSeq Size: 3110 bp

RefSeq ORF: 2382 bp

Locus ID: 13522

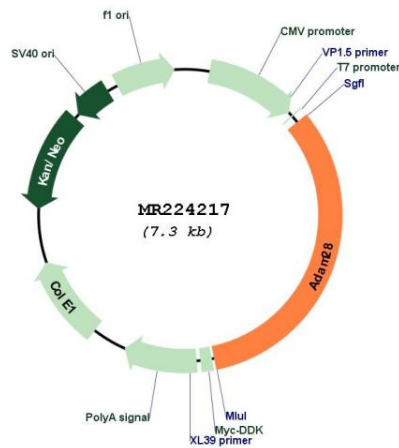
UniProt ID: [Q9JLN6](#)

Cytogenetics: 14 D1

MW: 89.1 kDa

Gene Summary: This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are typically membrane-anchored, although a form of this protein may be secreted. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a mature protein product. This protein may bind to integrins and regulate lymphocyte migration by enhancing cell adhesion. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR224217