

Product datasheet for **MR220343**

Adam28 (NM_001048175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_001048175) 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:

>MR220343 representing NM_001048175
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCGCAATGGAGTCTTCTGGTAGTCTCTTCTCTTCTCCAGTCCAGTAAGTGAATAAAAGAAC
TCCTAAAGCCAAGAAATATGAAGTGGTTATCCATAAGACTTCATCCATTGCGTAAAAGAGAGACCCA
AGAGCCAGAGCCAAGGAAACATTTGAACTGAGCTAAGGTACAAAATGACAGTAAATGAAAGGTTGCT
GTGCTGTATCTGAAGAAGAACAAAGCTCCTTGCCTGACTACTCGGAAACATACTATAATTCCAGTG
GAAACAAGGTCACCACAAGCCCGCAATTCATGGATAGCTGTTACTACCAAGGACACATCGTAAATGAGAA
AGTTTCTGCAGCCAGCATCAGCACCTGTCAAGGACTACGGGGTTACATCAGTCAAGGAGATGAAAAGTAT
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CCTCCCTGCCACCAGGTTGATTAAGTTGAATGATGGGATGGTTCAAGAACCTAAGAAATACATAGAATAT
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CTGGATCAACAGTGGGTCTAGCCTTCATGTCGTCGATGTGTTACCTTACCATTCTGTTGGCATTGTTCA
GGACCACAGTAACTACCATCTTCGAGTCGAGGAAACAATGGCTCATGAAATGGGTCAAACTTTGGCATG
ATTCATGACTACTTGAGCTGCAAGTGTCCATCTGAAGTCTGTGTAATGGAGCAGTCACTAAGGTTCCATA
TGCCCTACAGACTCAGCTCCTGCAGTCGTGCAATTACAACAGTTTCTTGAAGAAAAATATCGCATTG
CCTCTTTAATAGCCCATGGCCATCAGATATCATATCCACCCAGTCTGTGGGAACCAAGTTGTTGAAATG
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AACTGCTCCTCAAAGTGAAGGGGCACGCAGTGTGTGACCATGAGCTTCAAGTGTGAGTGAAGGAAGGAT
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CCTAGCAGTCATATTTGTGGTGGTTGCTATAGTGTGATCCAGCGCCAAAGTGCCAGAAGGAAGCAGAGGAGA
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AATGCAAAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220343 representing NM_001048175
Red=Cloning site Green=Tags(s)

MQQWSLLVVSFLLSPVPVSAIKELPKAKKYEVVYPIRLHPLRKRETQEPEPKETFETELRYKMTVNGKVA
VLYLKKNNKLLAPDYSEYYNSSGNKVTTSQIMDSCYYQGHIVNEKVSAAISITCQGLRGYISQGDEKY
FIEPLSSENLDQAHALFKDSDNEQEKSNCGVDDALWLQGLHQDVALPATRLIKLNDGMVQEPKKYIEY
YVVLNNGEFKKYNKLAIEIRKIVLEMANYINMLYNKLDHVALVGVEIWTGDGKIKITPDANTTLENFSK
WRGNDLLKRKHHDIAQLISSTDFSGSTVGLAFMSSMCSYHSGIVQDHSNYHLRVAGTMAHEMGNLGM
IHDYLSCKCPSEVCVMEQSLRFHMPTDFSSCSRNYKQFLEEKLSHCLFNSPLPSDIISTPVCGNLLEM
NEDDCGTPKECTNKCCDARTCKIKAGFQCALGECCEKQKPKPGVVCRAAKDECDLPEVCDGKSSHCPG
DRFRVNGSPCQNGHYCLKGKCPQLQQCMDMWGPQTKVANTSCYKQNEGGTKYGYCHVENGTHMPCKAK
DAMCGKLFCEGGSDLPWKGLTISFLTCKLDPEDTSQGVDMVANGTKCGTNKVCINAECVDMKTYKSA
NCSSKCKGHAVCDHELQCQCKEGWAPPDCENSATVFHFSIVVGVLFPLAVIFVVVAIVIQRQSARRKQRR
VQRLPSTKDAKLHNQCRPQKVKDVQPQEMSQMKKLHVSDLPSEEPPEPPDVLITKPNFPPPIPVSLDP
NAKV

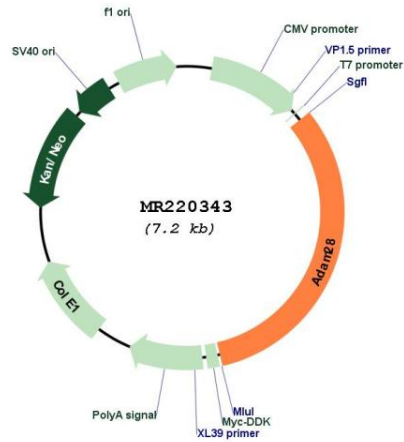
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_b04.zip

Restriction Sites: Sgfl-Mlul

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:	<u>NM_001048175.2, NP_001041640.1</u>
RefSeq Size:	4054 bp
RefSeq ORF:	2325 bp
Locus ID:	13522
UniProt ID:	<u>Q9JLN6</u>
Cytogenetics:	14 D1
MW:	86.9 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 MR220343