

Product datasheet for **MG223823**

Adam28 (NM_183366) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_183366) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam28
Synonyms:	C130072N01Rik; D430033C21Rik; Dtgn; Dtgn1; eMDCII; MDC-; MDC-L; MDCL; TECADAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG223823 representing NM_183366
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCAGCAATGGAGTCTTCTGGTAGTCTCTTTCTTTCTTCTCCAGTTCAGTAAGTGAATAAAAGAAC
TCCTAAAGCCAAGAAATATGAAGTGGTTATCCCATAGACTTCATCCATTGCGTAAAAGAGAGACCCA
AGAGCCAGAGCCAAGGAAACATTTGAACTGAGCTAAGGTACAAAATGACAGTAAATGGAAGGTTGCT
GTGCTGTATCTGAAGAAGAACACAAGCTCCTTGCCTGACTACTCGGAAACATACTATAATTCCAGTG
GAAACAAGGTCACCACAAGCCCGCAATTCATGGATAGCTGTTACTACCAAGGACACATCGTAAATGAGAA
AGTTTCTGCAGCCAGCATCAGCACCTGTCAAGGACTACGGGGTTACATCAGTCAAGGAGATGAAAAGTAT
TTTATCGAACCTTTGAGCTCGGAGAAGTGGATGAACAGGCACATGCACTCTTCAAGGACGACTCCAATG
AAGACCAGGAGAAGCAACTGTGGTGTGGATGATGCGCTATGGCTCCAAGGGCTGCATCAGGACGTGGC
CCTCCCTGCCACCAGGTTGATTAAGTTGAATGATGGGATGGTTCAAGAACCTAAGAAATACATAGAATAT
TATGTGGTCTGGATAATGGTGAGTTAAGAAATACAATAAAAAATCTTGCTGAAAATACGAAAAGATAGTGC
TTGAGATGGCCAATTACATCAACATGCTTTACAATAAGCTTGATGCCACGTGGCCCTTAGTTGGAGTGGA
AATCTGGACCGATGGGGATAAAATAAGATAACACCAGATGCCAACACCACCCTGGAAAACCTTCTCTAAG
TGGAGGGGAAATGATCTGCTAAAACGAAAGCATCATGATATTGCCAGCTAATCTCATCAACAGACTTTT
CTGGATCAACAGTGGGTCTAGCCTTCATGTCGTCGATGTGTTACCTTACCATTCTGTTGGCATTGTTCA
GGACCACAGTAACTACCATCTTCGAGTCGCAGGAACAATGGCTCATGAAATGGGTCAAACTTTGGCATG
ATTCATGACTACTTGAGCTGCAAGTGTCCATCTGAAGTCTGTGTAATGGAGCAGTCACTAAGGTTCCATA
TGCTACAGACTTCAGCTCCTGCAGTCGTGCAATTACAACAGTTTCTTGAAGAAAAATATCGCATTG
CCTCTTTAATAGCCCATTCGCATCAGATATCATATCCACCCAGTCTGTGGGAACCAAGTTGTTGGAATG
AATGAGGACTGTGACTGTGGCACACCCAAGGAGTGTACTAACAAATGCTGTGATGCAAGGACCTGTAAAA
TTAAAGCAGGTTTCCAGTGTGCCCTGGGGAAATGCTGTGAGAAATGCCAACTTAAAAACCTGGGTTGT
GTGCAGAGCAGCAAAAGATGAGTGTGATCTGCCTGAAGTGTGATGGTAAATCCAGCCACTGCCAGGT
GACAGATTCAGAGTCAATGGCTCCCTTGCCAAAATGGGCATGGTTACTGCTTGAAGGGCAAAATGTCCCA
CCCTGCAGCAGCAGTGCATGGACATGTGGGGTCCAGGAACCAAGGTTGCAAATACATCATGTTACAAGCA
GAATGAAGGTGGGACAAAGTACGGATACTGTGATGGAGAATGGCACACACATGCCCTGCAAAGCAAAA
GATGCCATGTGTGGGAAATGTTCTGTGAAGGCGGATCAGGTGATTTGCCCTGGAAGGACTTACCATAT
CTTTCCTGACATGTAAATTTATTTGATCCTGAAGACACAAGTCAAGGAGTAGACATGGTGGCAATGGAAC
CAAGTGTGGAATAACAAGGTGTGCATTAATGCTGAGTGTGTGGACATGGAGAAGACTTACAAGTCAAGC
AACTGCTCCTCAAAGTGAAGGGGCACGCAGTGTGTGACCATGAGCTTCAAGTGTGATGCAAGGAAGGAT
GGGCCCTCCTGACTGCGAGAATTCAGCCACAGTCTTCCACTTCTCCATCGTGGTTGGCGTGCTTTTCCC
CCTAGCAGTCATATTTGTGGTGGTTGCTATAGTGTGATCCAGCGCCAAAGTGCCAGAAGGAAGCAGAGGAGA
GTTGAGAGGCTACCATCCACCAAGGATGCCAAGCTACACAATCAGAAGTGTAGACCCCAAAAGGTGAAGG
ATGTTCAACCCAGGAGATGAGTCAGATGAAAAAGCTCCATGTGTCTGATCTGCCCTCTGAAGGCCGGA
GCCTCCACCTGATGTCCTAATCACAAGCCAAATTTCCACCACCACCAATTCCTGTTTCCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223823 representing NM_183366
Red=Cloning site Green=Tags(s)

MQQWSLLVVSFLLSPVPVSAIKELPKAKKYEVVYPIRLHPLRKRETQEPEPKETFETELRYKMTVNGKVA
 VLYLKKNKLLAPDYSEYYNSSGNKVTTSQIMDSCYYQGHIVNEKVSAAISSTCQGLRGYISQGDEKY
 FIEPLSSENLEQAHALFKDSDNEQEKSNCGVDDALWLQGLHQDVALPATRLIKLNDGMVQEPKKYIEY
 YVVLDNGEFFKKYNKNLAEIRKIVLEMANYINMLYNKLDHAVALVGVEIWTGDGKIKITPDANTTLENFSK
 WRGNDLLKRKHHDIAQLISSTDFSGSTVGLAFMSSMCSYHVSIGVQDHSNYHLRVAGTMAHEMGNLGM
 IHDYLSCKCPSEVCVMEQSLRFHMPTDFSSCSRNYKQFLEEKLSHCLFNSPLPSDIISTPVCGNLLEM
 NEDCDCGTPKECTNKCCDARTCKIKAGFQCALGECCEKQCLKKPGVVCRAAKDECDDLPEVCDGKSSHCPG
 DRFRVNGSPCQNGHYCLKKGKPTLQQQCMDMWGPGTKVANTSCYKQNEGGTKYGYCHVENGTHMPCKAK
 DAMCGKLFCEGGSDLPWKGLTISFLTCKLFDPEDTSQGVDMVANGTKCGTNKVCINAECVDMKEYKSA
 NCSSKCKGHAVCDHELQCQCKEGWAPPDCENSATVFHFSIVVGVLFPLAVIFVVAIVIQRQSARRKQRR
 VQRLPSTKDAKLHNQCRPQKVKDVQPQEMSQMKKLHVSDLPSEEPPEPPDVLITKPNFPPPIPVSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_183366

ORF Size: 2304 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_183366.3](#), [NP_899222.1](#)

RefSeq Size: 2638 bp

RefSeq ORF: 2307 bp

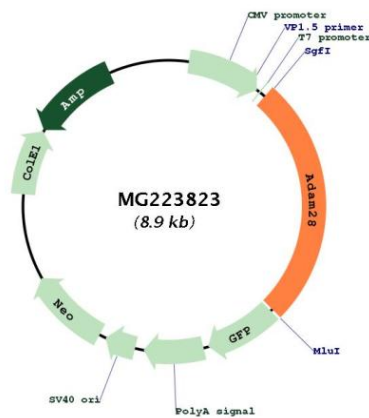
Locus ID: 13522

UniProt ID: [Q9JLN6](#)

Cytogenetics: 14 D1

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 MG223823