

Product datasheet for **MC221421**

Adam28 (NM_183366) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_183366) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam28
Synonyms:	C130072N01Rik; D430033C21Rik; Dtgn; Dtgn1; eMDCII; MDC-; MDC-L; MDCL; TECADAM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221421 representing NM_183366
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCAATGGAGTCTTCTGGTAGTCTCTTTCTTTCTTCTCCAGTTCAGTAAGTGAATAAAAGAAC
 TCCTAAAGCCAAGAAATATGAAGTGGTTATCCCATAGACTTCATCCATTGCGTAAAAGAGAGACCCA
 AGAGCCAGAGCCAAGGAAACATTTGAACTGAGCTAAGGTACAAAATGACAGTAAATGGAAGGTTGCT
 GTGCTGTATCTGAAGAAGAACAAAGCTCCTTGCCTGACTACTCGGAAACATACTATAATTCCAGTG
 GAAACAAGGTCAACACAAGCCCGCAATTCATGGATAGCTGTTACTACCAAGGACACATCGTAAATGAGAA
 AGTTTCTGCAGCCAGCATCAGCACCTGTCAAGGACTACGGGGTTACATCAGTCAAGGAGATGAAAAGTAT
 TTTATCGAACCTTTGAGCTCGGAGAACTGGATGAACAGGCACATGCACTCTTCAAGGACGACTCCAATG
 AAGACCAGGAGAAGCAACTGTGGTGTGGATGATGCGCTATGGCTCCAAGGGCTGCATCAGGACGTGGC
 CCTCCCTGCCACCAGGTTGATTAAGTTGAATGATGGGATGGTTCAAGAACCTAAGAAATACATAGAATAT
 TATGTGGTCTGGATAATGGTGAGTTAAGAAATACAATAAAAACTTTGCTGAAAATACGAAAAGATAGTGC
 TTGAGATGGCCAATTACATCAACATGCTTTACAATAAGCTTGATGCCACGTGGCCCTTAGTTGGAGTGGA
 AATCTGGACCGATGGGGATAAAATAAGATAACACCAGATGCCAACACCACCCTGGAAAACCTTCTCTAAG
 TGGAGGGGAAATGATCTGCTAAAACGAAAGCATCATGATATTGCCAGCTAATCTCATCAACAGACTTTT
 CTGGATCAACAGTGGGTCTAGCCTTCATGTCGTCGATGTGTTACCTTACCATTCTGTTGGCATTGTTCA
 GGACCACAGTAACTACCATCTTCGAGTCGAGGAAACAATGGCTCATGAAATGGGTCAAACTTTGGCATG
 ATTCATGACTACTTGAGCTGCAAGTGTCCATCTGAAGTCTGTGTAATGGAGCAGTCACTAAGGTTCCATA
 TGCTACAGACTTCAGCTCCTGCAGTCGTCAATTACAACAGTTTCTTGAAGAAAAATTAATCGCAGTTG
 CCTCTTTAATAGCCCATTCATCAGATATCATATCCACCCAGTCTGTGGGAACCAAGTTGTTGGAATG
 AATGAGGACTGTGACTGTGGCACACCCAAGGAGTGTACTAACAAATGCTGTGATGCAAGGACCTGTAAAA
 TAAAGCAGGTTTCCAGTGTGCCCTGGGGAAATGCTGTGAGAAATGCCAACTTAAAAACCTGGGTTGT
 GTGCAGAGCAGCAAAAGATGAGTGTGATCTGCCTGAAGTGTGATGGTAAATCCAGCCACTGCCAGGT
 GACAGATTCAGAGTCAATGGCTCCCTTGCCAAAATGGGCATGGTTACTGCTTGAAGGGCAAATGTCCCA
 CCCTGCAGCAGCAGTGCATGGACATGTGGGTCCAGGAACCAAGGTTGCAAATACATCATGTTACAAGCA
 GAATGAAGGTGGGACAAAGTACGGATACTGTGATGGAGAAATGGCACACACATGCCCTGCAAAGCAAAA
 GATGCCATGTGTGGGAAATGTTCTGTGAAGGCGGATCAGGTGATTTGCCCTGAAAGGACTTACCATAT
 CTTTCCTGACATGTAAATTTATTTGATCCTGAAGACACAAGTCAAGGAGTAGACATGGTGGCAATGGAAC
 CAAGTGTGGAATAACAAGGTGTGCATTAATGCTGAGTGTGTGGACATGGAGAAGACTTACAAGTCAAGCC
 AACTGCTCCTCAAAGTGAAGGGGCACGCAGTGTGTGACCATGAGCTTCAAGTGTGAGTGAAGGAAGGAT
 GGGCCCTCCTGACTGCGAGAAATCAGCCACAGTCTTCCACTTCTCCATCGTGGTTGGCGTGCTTTTCCC
 CCTAGCAGTCATATTTGGTGGTTGCTATAGTATCCAGCGCCAAAGTGCCAGAAGGAAGCAGAGGAGA
 GTTCAGAGGCTACCATCCACCAAGGATGCCAAGCTACACAATCAGAAGTGTAGACCCCAAAGGTGAAGG
 ATGTTCAACCCAGGAGATGAGTCAGATGAAAAAGCTCCATGTGTCTGATCTGCCCTCTGAAGAGCCGGA
 GCCTCCACCTGATGTCCTAATCACAAGCCAAATTTCCACCACCACCAATTCCTGTTTCTTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183366
Insert Size: 2307 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_183366.3 , NP_899222.1
RefSeq Size:	2640 bp
RefSeq ORF:	2307 bp
Locus ID:	13522
UniProt ID:	Q9JLN6
Cytogenetics:	14 D1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 3' exon, and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a shorter C-terminus, compared to isoform 1. It is not known whether this isoform (2) is proteolytically processed in the same manner as isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>