

Product datasheet for **MC228716**

Adam5 (NM_001272057) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam5 (NM_001272057) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam5
Synonyms:	tMDC; tMDC II; tMDCII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228716 representing NM_001272057
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTCTTCTTTTGTCTTTTTGCATCTTAAAGGGCTGCAGGCAGGCCAGAATCTCAGAAAACCA
 CCTGCAGACAACCTGTTCTGAAAAGATCTCATACCCGGATGTGGAACAGATGCAGAAGACCATATGGC
 TTATCTTATTACAATAAATGAAACCCCCATTTTCATCCATCTTAAAAACAATCATTTATAACTCCAAC
 GCAGTTGTTTATACTTACGACAGAAATGATGTTCAACATTCTCAACCTTTGTCAGCTCTGAAAAATTGCA
 ATTACAATGGATATGTTGCAGGTTTCCAAACTCTATCGTGACCCTCACCGTTTGCACAGGACTCAGGGG
 AATCATACAGTTTGAAAATGTCTCCTATGCAATCGAGCCCGTGGAAACCTGTCAGGATTTGTCACGTG
 ATCTATGAGAACAACAACATGCTGTGATTCTGACCTGGGAAAGAATCAGTCATACAGTTGGTTTG
 ACGAATCAGATTCAATCCGGAGTAACATGAAGAAATCTGGATTTACCGTGTACGCCAACGATTCAT
 TATGATGGATATCATCGTGGATAAAAAGCTGTTTGATTACATGGGTTCTGACACTGAAGTTGTGCTACAG
 AAAGTCATTACAGATCATCGGTTTCGTTAACTATGCTCTCCAAGTTAAACTGACTGTCTTAATAAATT
 CCATTGAAATCTGGTCAAGGAAAACAGAATTCGTTTATCAAAGGCAGTTGATGACTTATTGGTTGAGTT
 CTCAATTTGAAAACATGAGTATAGATCACAACTGTTGCATACTTACTGGCATTGAGGAGCACCCCTGCT
 TCCACGGGGGCTCTATATCCAGGGAATCTGTGCAAACCTGGAGTACAATGCTGCTGTTGCCCTGTATCCAA
 AAGGTTTATCGTTAGAATCGTTTAGTGCTTGTCTGCAGCTGCTGAGCATTGGTATGGGCTTAACTTA
 CGACACTGAGAACTGCCACTGTACAGGAGAAGTTGCCTAATGACGCCAAAGCAATATATTCTGGGGGT
 GTGAAGGACTTCAGTACTGTACCCTGGATGACTTTAAATACCTGTCAACAAGACAAGACCTTAGATGTC
 TCCAGGACTTGCCTTTGGAAAGAAAGCCAGCTCGCAGGCCAAGGAGAATCTGTGGCAATGGGATACTGGA
 GATGAACGAGCAATGTGACTGTGGCACTTTGAAGAACTGTACACATAGAAAATGCTGTGACCCTATGTCA
 TGTCGATTGAAAACAAGGCCACGTGTGTTCTGGGGAGTGTGTAGTCAAGATTGCACGGTAAAAATGA
 ATGATGTGGTCTGTAGAAAGTCGGTAGATGAATGTGACTTTGTGGAGTACTGTAACGGAAAAGATCCCTA
 TTGTGTCCCTAACACATATGCACGCAATGGGCAGTATTGTGAATCAGGTGAAGCCTTCTGTTTTGAAGGA
 CGATGTCAGACTGCTGACAAGCAATGTATGAGCATGCTTGGGAAATACGTGAGAGGGGCTTCTTTGCGT
 GCTATGAAGAGTTCAATCCAGAGGCGATAGATTTGGCAACTGTATTATAATTTTTGTGCTTTCAGAAA
 TTCTCTCTGTGGAAACTAATCTGTACGTGGCCATTCAAGAAGCTGGTGTAAAAGCCAATTTATCTGTG
 GCCTATGCGCAAATCCGGGATGACTTGTGTGTAGCTATGTATAAAGGTGGGAGGATACCTAAGACAACAA
 AGACGACATATCCAATCCAGCGGACAGAGATGAGACATTTGTAACGACGGCACCATCTGTGGCCCTGA
 TATGTTTTGTTTGTGAGAGCATCATGCACAGAAACTAGATTTACATGGATTCTTCCAAGTGTGATTCAACT
 AGAGATTGCAACGACCATGGGGTTTGCAACAATTTACAGCATTGCCACTGTGATATAGGATATAACCCTC
 CTTTTTGTGAGGAACATAAGGGACAGTTTGAAGCGTTGATGATGGACATAAATATCATGTTGAAGCACC
 TCCCACTAATCAAGTATTGCTACCCAAAAGAAGATAATCTGGATTAACCATGAGAACTGACATTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001272057
Insert Size: 2100 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001272057.1</u> , <u>NP_001258986.1</u>
RefSeq Size:	2593 bp
RefSeq ORF:	2100 bp
Locus ID:	11499
UniProt ID:	<u>Q3TTE0</u>
Cytogenetics:	8 13.26 cM
Gene Summary:	<p>This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. This gene is located in a cluster of related ADAM genes on chromosome 8. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (2) lacks several exons and contains an alternate 3' terminal exon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1. This isoform (2) may undergo proteolytic processing similar to isoform 3.</p>