

## Product datasheet for **MC228907**

### Adam5 (NM\_001272058) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam5 (NM_001272058) 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:** >MC228907 representing NM\_001272058  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCTCTTCTTTTGTCTTTTTGCATCTTAAAGGGCTGCAGGCAGGCCAGAATCTCAGAAAACCA  
 CCTGCAGACAACGTTCCTGAAAAGATCTCATACCCGGATGTGGAACAGATGCAGAAGACCATATGGC  
 TTATCTTATTACAATAAATGAAACCCCCCATTTTCATCCATCTTAAAAACAATCATTTATAACTCCAAC  
 GCAGTTGTTTATACTTACGACAGAAATGATGTTCAACATTCTCAACCTTTGTCAGCTCTGAAAAATTGCA  
 ATTACAATGGATATGTTGCAGGTTTCCAAACTCTATCGTGACCCTCACCGTTTGCACAGGACTCAGGGG  
 AATCATAACAGTTTAAAAATGTCTCCTATGCAATCGAGCCCGTGGAAACCTGTCCAGGATTTGTCACGTG  
 ATCTATGAGAACAACAACAACATGCTGTGATTCTGACCTGGGAAAGAATCAGTCATACAGTTGGTTTG  
 ACGAATCAGATTCAATCCGGAGTAACATGAAGAAATCTGGATTTACCGTGTACGCCAACGATTCAT  
 TATGATGGATATCATCGTGGATAAAAAGCTGTTTGATTACATGGGTTCTGACACTGAAGTTGTGCTACAG  
 AAAGTCATTTCAGATCATCGGTTTCGTTAACACTATGCTCTCCAAGTTAAACTGACTGTCTTAATAAATT  
 CCATTGAAATCTGGTCAAGGAAAAACAGAATTCGTTTATCAAAGGCAGTTGATGACTTATTGGTTCAATT  
 CTCAATTTGAAACATGAGTATAGATCACAACTGTTGCATACTTACTGGCATTGAGGAGCACCCCTGCT  
 TCCACGGGGGCTCTATATCCAGGGAATCTGTGCAAACTGGAGTACAATGCTGCTGTTGCCCTGTATCCAA  
 AAGGTTTATCGTTAGAATCGTTTAGTGCTTGTCTGCAGCTGCTGAGCATTGGTATGGGCTTAACTTA  
 CGACACTGAGAACTGCCACTGTACAGGAGAAGTTGCCTAATGACGCCAAAGCAATATATTCTGGGGGT  
 GTGAAGGACTTCAGTACTTGTACCCTGGATGACTTTAAATACCTGTCAACAAGACAAGACCTTAGATGTC  
 TCCAGGACTTGCCTTTGAAAAGAAAGCCAGCTCGCAGGCCAAGGAGAATCTGTGGCAATGGGATCTGGA  
 GATGAACGAGCAATGTGACTGTGGCACTTTGAAGAACTGTACACATAGAAAATGCTGTGACCCTATGTCA  
 TGTCGATTGAAAAACAAGCCACGTGTGGTTCTGGGGAGTGTGTAGTCAAGATTGCACGGTAAAAATGA  
 ATGATGTGGTCTGTAGAAAGTCGGTAGATGAATGTGACTTTGTGGAGTACTGTAACGGAAAAAGATCCCTA  
 TTGTGTCCCTAACACATATGCACGCAATGGGCAGTATTGTGAATCAGGTGAAGCCTTCTGTTTTGAAGGA  
 CGATGTCAGACTGCTGACAAGCAATGTATGAGCATGCTTGGGAAATACGTGAGAGGGGCTTCTTTGCGT  
 GCTATGAAGAGTTCAATCCAGAGGCGATAGATTTGGCAACTGTATTCAATTTTTGTGCTTTCAGAAA  
 TTCTCTCTGTGGAAACTAATCTGTACGTGGCCATTCAAGAAGCTGGTGTAAAAGCCAATTTATCTGTG  
 GCCTATGCGCAAATCCGGGATGACTTGTGTAGCTATGTATAAAGGTGGGAGGATACCTAAGACAACAA  
 AGACGACATATCCAATCCAGCGGACAGAGATGAGACATTTGTAACGACGGCACCATCTGTGGCCCTGA  
 TATGTTTTGTTTGGAGAGCATCATGCACAGAAACTAGATTTACATGGATTCTTCCAAGTGTGATTCAACT  
 AGAGATTGCAACGACCATGGGGTTTGCAACAATTTACAGCATTGCCACTGTGATATAGGATATAACCCTC  
 CTTTTTGTGAGGAACATAAGGGACAGTTTGAAGCGTTGATGATGGACATAAATATCATGTTGAAGATGG  
 TAAAAGCTATAAGCAGCAAAGTCATAGTAATCTTAAAAAAAATCAGCTTCAGCTCATTCTCTACATATCT  
 CTGCCCTTACTTGTGATGATTTTCAGCTGTAGTTATAAAGCAAAGCAAACCTGAGTCGTGTATGTGACAGAG  
 AAAGAAGTGAAAGCGACAGCTCTACAACAGAAGATAGCGGGAGTAACACCAATGTGACCAGCAGTGGAGG  
 AAGCTCATCTACGGACCCACCAATCACACCAAACCCAGAAAGGATTCTGTACGTCTTTGCTCTGAAGAAA  
 CACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001272058  
**Insert Size:** 2316 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001272058.1, NP_001258987.1</u>
<b>RefSeq Size:</b>	2956 bp
<b>RefSeq ORF:</b>	2316 bp
<b>Locus ID:</b>	11499
<b>UniProt ID:</b>	<u>Q3TTE0</u>
<b>Cytogenetics:</b>	8 13.26 cM
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and encodes the longest isoform (1). This isoform (1) may undergo proteolytic processing similar to isoform 3.</p>