

## Product datasheet for **RN206756**

### Adam5 (NM\_020303) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam5 (NM_020303) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adam5
Synonyms:	tMDCII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN206756 representing NM\_020303  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACCCCCATTTTCATCCATCTTAAAAAGCAATGGTTGGGGATCTTTTTGTATAGATCGTTTATAA  
 CTCAACTGCAGTGAGTTATACATATGACAGACAAGATGTTTCGGCATTCTCAGTCTTTGTCATCTCTGAA  
 AAATTGCAATTACAACGGATACGTTGCAGGTTTTCCAAATTCTATCGTGTGCTCACCGTTTGCTCAGGA  
 CTCAGGGGAATGATACAATTTGAAAATGTCTCCTATGGAATCGAACCTGTGGAACCCCTGTCAGGATTTA  
 TACACGTGATCTATGAGAACACAAATCAGCAAGCTAAGATTCTGACTTAGGAGAGAATCAGACGTACAG  
 TTGGTCTGATGAATTAGATTATCAATCCGAAGCAACATGAAGAAATCCGGATTTGCCGTGTACGGCCA  
 CGGTACATTAAGACGGATATCGTCGTGGATAAAAAGCTGTTTGATTACATGGGCTCCGACACTAGGGTCG  
 TGCTACAGAAAGTCATTCAGATCATCGTTTTATTAACTATGTTCTCCAAGTTGAAACTGACGGTTTT  
 AATAAATCCGTTGAAATCTGGTCGAAGGAAAACAGAATTGATTTCCAGAGGCACCTGAAAACCTACTG  
 GTCAGATTTTTACATTGGAACATAAGTATAGACCGCAGCACATTTCACTACTGGCATTGTGGAGC  
 ATCCTGCTTCCAGGGAGCCCTCTATCCGGGAATCTGTGCAAACCGATCTATGGTGCTGCCATTGCCCT  
 GTACCCTAAAGGTTTGTCACTAGAGTCTACACGTCATCGTCTCACTACTGAGCATCGGTATAGGC  
 TTAACCTATGACAACGCTGACAGCTGCCACTGTACAGGAGACGTCTGCCTGATGACGCCCAAGGCAATAT  
 ATTCTGGGGGTGTAAGGACTTCAGTACTTGTAGCTTGGATGACTTCAAATACCTGTCAACACAAGACCT  
 TGAATGTCTCCAGGACTTGCCATGGAAGACAAAAGAAGCCTTCCAGGCCAAGGAGAATCTGTGGC  
 AACGGGATTTGAAAATGAACGAGCAGTGTGACTGTGGCACTTTGAAGAATTGTACACACAAAAAATGCT  
 GTGACCCCATGTCTGCGGACTGAAGTCCAAAGCCGTGTGTGGCTCCGGGGAGTGTGTGGTCCAGGACTG  
 CAAGGTAAAACCGTTAATGTAAGTCTGTAGAAAAGTCAAGAATGAATGTGACTTTGAGGAGTACTGTAAC  
 GGAAATGACGCTTACTGTGCCCTGACACGTTCCGACGCAACGGGCAGTACTGCGACTCAGGGCAAGCCT  
 TCTGCTACAGTGGTCTTTGTATGACGAGTAATAATCAATGCATGAACTTGTCTCGGAAAATATGTGAGAGG  
 AGCTTCTTCGCATGCTATGAAGAGTCAATCCAGAAACGATAGATTTGGCACTGTATTAGAAAAGTTT  
 TGTAGTTTCGAAAATCTCTCTGTGGGAAGTTGGTCTGTACCTGGCCATTCAAGAGGCTGCTCATGAAAG  
 ACAATATGTCTGCGGCTTATGGACAAATCCGAGACGATTTATGCATCTCTGTATAAAGGAGGGAGGCC  
 ACTTAAGACAACATTGTCAACATATTCCGATATGTCAGAAAGAGACGAAACATTTGTAAGGACGGCACA  
 ATCTGTGGTCTGATATGTTTTGTTGGAAACACAGTCAAAGAAACGAGATTTTGGTGGATTTTCAAC  
 AGTGCAATACTTCCCAGATTGCAATGACCATGGGGTTTGAACAACCTTAATCATTGTCAATTGTGATAA  
 AGGATATAACCTCCCTATTGTGAGTCAAGTAAAAGGACAGTTTGGAAAGCATTGATGACGGCCACAATAT  
 TACATTGACGAAGGGAAAAGCGCTAAGCAGCAGAATCGTGGTATTCACCCAAAGCAGCAACTCCAGCTTA  
 TTCTGTATATAACGCTGCCCTTGATTATGATTATCTCGGCTGATTTATAAAGCAAAGCAAACCTGAGTCG  
 GCTATGCGGCAGAGAAAGAAGCGAAGGCCACCAGCTGTATAACAGAAGACAGTGTGAGTAACACCAAGATG  
 ACCACCAACGAAGGAAGCACCCCTTCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_020303

**Insert Size:** 2130 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).

<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><a href="#">NM_020303.1</a></u> , <u><a href="#">NP_064699.1</a></u>
<b>RefSeq Size:</b>	2591 bp
<b>RefSeq ORF:</b>	2130 bp
<b>Locus ID:</b>	498654
<b>UniProt ID:</b>	<u><a href="#">Q5BK84</a></u>
<b>Cytogenetics:</b>	16q12.4
<b>Gene Summary:</b>	germ-cell specific metalloprotease-disintegrin that may play a role in cell-cell and cell-matrix interactions during spermatogenesis [RGD, Feb 2006]