

## Product datasheet for **RN210384**

### Adamts5 (NM\_198761) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts5 (NM_198761) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adamts5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210384 representing NM\_198761  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTACTCGAGTGGCGTCCTTGTGCTGCTACTGCTGCTGCTGCGCGTCTGCCTGGCCCTGGCGG  
 CTGACAACCCCTGCCGCGGCACCTGCCCAGGATAAAACCAGGCAGCCTCGGGCTGCTGCAGCGGCCGCCA  
 GCCCGACCAGCGCAGTGGGAGGAAACACAGGAGCGGGCCATCCGCAACCCCTGGCCAGGCAGCGCAGG  
 AGCAGCGGGCTGGTGCAGAAATAGACAACTCTACTCTGGCGGTGGCAAAGTGGGTACCTTGTCTACG  
 CGGGCGGCCGGAGGTTCTGCTGGACCTGGAGAGGGATGACACAGTGGGTGCTGCTGGTGGCATCGTTAC  
 TGCAGGAGGAGGGCTGAGCGCATCTCTGGCCACAGGGTCACTGCTTCTACAGAGGCACGTGGACGGC  
 AGCCCTCGATCCCTAGCTGTCTTTGACCTCTGTGGGGTCTCGATGGCTTCTTCGAGTCAAGCATGCGC  
 GCTACACTCTGAAGCCGCTCTTGCCTGGTCTGGGCAGAGTCCGAACGAGTTTACGGGGATGGGTCTTC  
 ACGCATCTGCATGTCTACACCCGCGAGGGCTTCACTTTCGAGGCCCTGCCGCCACGCACCAAGTTGGCAG  
 ACTCCAGCGTCCCGTCTGGGCCCAAGAGAGCCCTCGGTGCACAGTAGTTCTAGGCGACGCACAGAAC  
 TGGCACCCGAGCTGCTGGACCATTACAGCTTCTCGCCAGCTGGGAACCGGGACCTCAGACGTGGTGGAG  
 GCGGAGGCGCGTTCATCTCCAGGGCCCGCCAGGTGGAGCTCCTCTTGGTGGCTGACTCTTCCATGGCC  
 AAGATGTATGGGCGGGCCTGCAGCATTACCTGCTGACCTGGCCTCTATTGCCAACCGGTGTACAGTC  
 ATGCAAGCATCGAGAACCACATCCGCTGGCCGTAGTAAAGTGGTGGTCTGACCGACAAGAGTCTGGA  
 GGTGAGCAAGAACCGGCCACGACCCTCAAGAATTTTGCAAATGGCAGCACCAACAACACAGCTAGGT  
 GATGACCATGAGGAGCACTACGATGCAGCCATCTGTTACCAGAGAGGATTTATGTGGGCATCATTCTAT  
 GTGACACCCCTGGGAATGGCAGACGTTGGACCATATGTTCTCCGAGCGCAGCTGGCGTGTGATTGAAGA  
 TGATGGCCTCCATGCAGCTTCACTGTGGCTCAGGAAATGGACATCTACTTGGCCTCTCTCACGACGAT  
 TCCAAATCTGTGAAGAGAATTTGGTCTACAGAAGACAAGCGTTTAAATGTCTTCAATCCTTACCAGCA  
 TTGATGCATCCAAGCCCTGGTCCAAATGCACCTTACGCCACGATCACAGAATTTCTGGATGACGGTATGG  
 TAACTGTTTACTAGATGTACCACGGAAGCAGATTCTGGGCCCCGAGGAACTCCAGGACAGACCTATGAT  
 GCCACCCAGCAGTGCACTTACATTTGGGCTGAATATTCTGTGTGCCCTGGCATGGATGTCTGTGCAC  
 GGCTGTGGTGTGCTGTGGTGCGCCAAGGCCAAATGGTGTGTCTGACCAAGAAGTTGCCTGCCGTGGAGGG  
 CACTCCCTGTGGTAAAGGAAGAATCTGCCTGCAAGGGAATGTGTGGACAAAACCTAAGAAAAATATTAC  
 TCGACATCAAGCCATGGAATTTGGGGTCTGGGGCCCTGGGGTCAAGTGTCTCGCTCTTGGGGGGAG  
 GAGTACAGTTTGCTACCGCATTGCAATAACCCCGCACCTCGAAACAGTGGCCGCTACTGCACAGGGAA  
 GAGGGCCATATACCGTTCCTGCAGTGTACATACCCTGCCACCTAACGGCAAATCTTTCGCCACGAGCAG  
 TGTGAAGCCAAAATGGCTATCAGTCCGATGCAAAAGGAGTCAAAACATTTGTAGAATGGTTCCAAAAT  
 ACGCAGGTGTCTGCCGCGAGCAGTGTGCAAGCTTACGTGCAGAGCTAAGGGCACTGGCTATTACGTGGT  
 CTTTTCTCAAAGGTTACAGATGGGACAGAATGTAGACCTACAGCAACTCCGTGTGTGTCCGAGGAAGG  
 TGCGTGAAGACGGGGTGTGACGGCATCATCGGCTCAAAGCTACAGTATGACAAGTGTGGAGTGTGTGGAG  
 GGGATAACTCCAGTTGTACAAAGATTATCGGAACCTTCAATAAAAAAAGCAAGGGTTATACTGACGTTGT  
 GAGGATCCCTGAAGGAGCAACCCACATAAAAGTCCGACAGTTCAAAGCCAAAGACCAGACTAGATTCAT  
 GCTTACTTAGCCCTAAAGAAGAAAACCTGGCGAGTACCTTATCAACGGCAAGTACATGATCTCCACTTCAG  
 AGACCATCATCGACATCAATGGTACCGTATGAACTACAGTGGGTGGAGTACAGAGATGATTTTTTACA  
 TGGGATGGGCTATTACGCCACAAAGGAAATTTGATTGTGCAGATCCTTGAACAGACCCAACTAAAGCA  
 TTAGACGTCCGTTACAGCTTTTTTGTCCCAAGAAGACCACTCAAAAAGTGAATTCGGTCATTAGCCACA  
 GCAGCAACAAAGTGGGACTACACTCCCCGAGCTACAGTGGGTGACAGGCCCTGGCTGGCTGCTCTAG  
 GACCTGTGACACAGGCTGGCACACCAGGACCGTGCAGTCCAGGATGGAACAGGAAATAGCTAAGGGA  
 TGCATTCTCTCAGAGGCCCTTTCGCTTAAAGCAATGTTTGTCTCAAGAAATGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1744\\_d07.zip](https://cdn.origene.com/chromatograms/ja1744_d07.zip)

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_198761
<b>Insert Size:</b>	2787 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">NM_198761.1</a> , <a href="#">NP_942056.1</a>
<b>RefSeq Size:</b>	2787 bp
<b>RefSeq ORF:</b>	2787 bp
<b>Locus ID:</b>	304135
<b>Cytogenetics:</b>	11q11
<b>Gene Summary:</b>	human homolog catalyzes the degradation of aggrecan, a component of cartilage extracellular matrix [RGD, Feb 2006]