

## Product datasheet for **RN217263**

### Adamts4 (NM\_023959) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts4 (NM_023959) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adamts4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217263 representing NM\_023959  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTCAATCCATCCCAGCTGCAGCACTGGTACCATGTCCAGGATGGGCTTGCATCCCAGGAGGGCT  
 TGA**CTGGGCACAGACTGCGAAGACTCCAACCCTGCCTGCCGCCCGCACTGTGCCTTTCTCTGGTTTGA**  
 GCGGTGGCAGCAGCTGCTGCTGGCCTCCCTCCTGCCTTTAGCCTGGTCAGCCAGCCCTCCCCCGA  
 GAGGAGGAGATCGTGTCCAGAGAAGCTCAACGGCAGTAGTATCATACCTGGCTCAGGCGTCCCTGCCA  
 GGCTGCTGTACCGATTACCAGCCTTTGGGGAGATATTGTTACTAGAACTAGAGCAGGATCCTGGGGTGA  
 GGTAGAGGGGCTGACAGTACAGTACCTGGGCCAGGCACCTGAGATGCTGGGTGGGCAGAGCCAGGTACC  
 TACCTGACTGGCACCATCAATGGAGATCCGGAGTCGGTGGCGTCTCTGCACTGGGACAGGGGAGCCCTAT  
 TGGGGGTATTGCAGTACCGGGGGCCGA**ACTCCACCTCCAGCCTCTGGAAGGAGGGCCCTTAACTCTGC**  
 TGGGGGACCAGGGGCTCACATCCTACGCCGAAGAGTCTGCCAGCAACCAGGATCCCATATGCAACGTC  
 AAGGCTCCTTCTGGGAGCCCACTCCATTTCCCGCAGAAACAAGCGCTTCGCTTCGCTGAGTAGATTTCG  
 TGGAGACACTGGTGGTGGCAGATGACAAGATGGCAGCATTCCACGGGGCAGGGTTAAAGCACTACCTGCT  
 GACGGTCATGGCCCGCTGCCAAAGCCTTAAAGCATCCAAGCATCCGAAACCCTGTCAACTTGGTGGT  
 ACTCGTCTAGTAATCCTGGGGTCCGGCCAGGAAGTGC**CCCAAGTGGGGCCAAAGTCCCGCCAGACCTAC**  
 GCAGCTTCTGCACCTGGCAGAAAGGCCTAAACCCTCCGAACGACTCAGATCCTGACCACTTTGACACGGC  
 CATTCTGTTACCCGGCAGGACCTGTGTGGGTCTCCACCTGTGACGCTCTGGGTATGGCTGGTGTGGGC  
 ACAGTGTGTGACCAGCTAGGAGCTGTCTATTGTGGAGGACGATGGGCTCCAGTCCGCTTACCAGCCG  
 CTCATGA**ACTGGCCATGTCTTCAACATGCTCCATGATAACTCCAACCCTGTGCTAATTTGAATGGGCA**  
 GGGGAGTTCCTCTCGCCATGTCATGGCTCCTGTATGGCTCACGTGGACCCTGAAGAGCCCTGGTCC**CC**  
 TGCAGTGGCCGATTCACTACTGACTTCTGGACAATGGCTATGGACACTGCCTCTTAGACAAACCAGAGG  
 CTCCCCTGCATCTGCCAGTACTTTTCTGGCAAGGACTATGATGCTGACCGCCAGTGCCAACTGACCTT  
 TGGTCTGACTCAAGCCATTGTCCACAGCTGCCACCGCCCTGTGCTGCCCTCTGGTGGCTTGGCCACCTC  
 AATGGCCATGCCATGTGTGAGACTAAGCACTCACCTGGGCCGATGGTACTCCCTGCGGACTGCACAGG  
 CCTGTATGGGTGGCCGCTGTCTCCAGTGGACCAGCTCAAGGACTTCAATATTCTCAGGCTGGAGGCTG  
 GGGTCCCTGGGACCATGGGGTACTGCTCCAGGACTTGTGGAGGTGGTGTCCAATTCTCCTCCCGGGAC  
 TGCACAAAGCCTGTCCCGGAATGGTGGAAAGTATTGTGAGGGCCCGCTACCCGTTCCGCTCCTGTA  
 ACCTAAGAACTGCCACATGGCTCAGCATTGACCTTCGGTGAAGAGCAGTGTGCTGCCTACAACCACCG  
 AACCGACCTCTCAAGAGTTTTCCGGGGCCATGGACTGGGTCCGCGCTACACAGGTGTAGCCCTCGA  
 GACCAGTGCAAACTACCTGCCAGGCCCGGGCACTGGGCTACTACTATGTACTGGAGCCACGGGTGGCAG  
 ATGGAACTCCCTGTTCCCGAGACTTCTCCTGTCTGTGTCCAGGGCCGCTGTATCCACGCTGGCTGTGA  
 TCGAATCATTGGCTCAAAAAGAAATTTGACAAGTGCATGGTGTGCGGTGGGAATGGCTCTAGCTGCAGC  
 AAGCAGTCAGGCTCCTTCAAAAATTCAGGTACGGATACAGCGATGTGGTACGATCCCTGCGGGACGCA  
 CCCATATCCTTGTACGGCAGCAGGGAGGATCTGGCCTCAAGAGCATCTACCTGGCCCTGAAGCTAGCAGA  
 TGGTCTTACGCCCTCAATGGTGAATACACGCTGATGCCCTCCTCAACAGATGTGGTACTTCTGGGGCA  
 GTCAGCTTGGCTATAGCGGACGCACGGCAGCCTCAGAGACACTGTCTGGACATGGGCCGCTGGCCAGC  
 CCTTGACGCTGCAAGTTCTGGTGGCTGGCAACCACAGAATGTACGCTCTGCGGTACAGTTTCTTTGTCC  
 GCGGCCAGTCCCTTCAACGCCACGCCCTCTCCCAAAACTGGCTGCAACGCAGGGCAGAGATTCTGGAG  
 ATCCTTCGAAGCGAACCTGGGCAGGCCGAAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_023959  
**Insert Size:** 2556 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_023959.1, NP_076449.1</u>
<b>RefSeq Size:</b>	3339 bp
<b>RefSeq ORF:</b>	2556 bp
<b>Locus ID:</b>	66015
<b>UniProt ID:</b>	<u>Q9ESP7</u>
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	a disintegrin and metalloproteinase; may play a role in the progression of Alzheimers disease [RGD, Feb 2006]