

## Product datasheet for **RR204777**

### Adamts3 (NM\_001107212) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts3 (NM_001107212) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adamts3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR204777 representing NM\_001107212  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGTTCCTGTCACTTTGGTTGATAGCAGCCTCTCTGGTAGAGTTAGGACATCAGCTGATGGACAAG  
 CTGGTGCCTGAAGAAATGGTACAAATAGATTTACCAACCAAGAGATACAGAGAGTATGAGCTGGTGACACC  
 AGTTAGCACAAATCTAAAAGGACACTATCTTTCCCATATTCTTTCTGCAAATCACAAAAAGAGGTACCT  
 AGGGACGTGTCATCCAACCTCAGAGCAATTGTTCTTCAACGTCACGGCATTGGGAGAGATTTTCATCTTC  
 GACTAAGGCCAAACACTCACTTCATAGCTCCTGGGGCTGTGGTGGAAATGGCATGAGACAGCTCCAAGGCC  
 TGGGAACACCCTGACCCAAGAAACAGCCGTCCACACAGAAGTTCTTCAAGAGGAGGCTGGAGATCAGAG  
 CCTTTCAGACTAGCTGTGCGTATGTTGGTGACATCATGGATGTTCCAGGAACCTCTGTTGCCATTAGCA  
 ACTGTGATGGTCTGGCTGGAATGATAAAGAGTGATAATGAAGAGTACTTCATTGAACCCCTGGAGAGAGG  
 GAAGCAGATGGATGAAGAAAATGGAAGGATTACATTGTCTACAAGAGATCAGCAATGGAGCGGGCTCCC  
 AGAGATGTGTCTGAAGAGCTCTACTACAAGGAGTCAATCTGGAAGGCCTCGATGATCTAGGTACCGTTT  
 ACAGCAACATTGGCCAGCAGCTGAATGAGACAACGCGGCCCGCAGACACGCGGGAGAGAACGATTACAA  
 CATCGAGGTGCTTCTGGGAGTGGATGACTCTGTGGTCCGTTTCCATGGCAAAGAGCATGTCCAAAACCTAC  
 CTCCTCACCTGATGAACATTGTAATGAAATCTATCACGATGAGTCCCTTGGAGTGCACATAAACGTGG  
 TCCTGGTGCGAATGATTATGCTCGGTTACGCAAAGTCTATCAGCCTTATCGAAAGGGGAAACCCGTCAG  
 GAGCCTGGAGAATGTGTGTCGCTGGGCTTGCCAGCAACAAAAATCCGATCCCAACCATGCTGAACACCAT  
 GATCATGCAATTTTCTAACCAGGCAAGACTTTGGGCTGCTGGAATGCAAGGATATGCTCCCGTACAG  
 GCATGTGCACCCAGTGAGAAGTTGCACCCTGAATCACGAAGATGGTTTTTTCATCTGCTTTTGTAGTAGC  
 CCATGAGACCGGCCATGTGTTGGGCATGGAGCATGACGGGCAAGGCAACCGGTGTGGCGATGAGACCGCC  
 ATGGGCAGTGTCTGCGGCCCTGGTGCAGCTGCCTTTCATCGATACCACTGGTCCAGATGCAGCGGTC  
 AGGAACTGAAAAGATATATCCATTCTACGACTGTCTCCTTGATGACCCCTTTGAACACGATTGGCCCAA  
 ACTCCCAGAACTCCGGGGATTAATTATCCATGGATGAGCAATGCCGTTTCGATTTTGGTGTGGCTAC  
 AAAATGTGTACCGGTTCCGAACCTTTGACCCGTGCAAGCAGCTGTGGTGCAGTCAACCCGATAACCCAT  
 ACTTCTGTAAGACTAAGAAGGGGCCCCACTCGATGGGACTGAGTGTGCTGCTGGGAAGTGGTGTATAA  
 AGGACACTGCATGTGAAAAACGCTAACCAACAAAAGCAAGATGGCAACTGGGGGCTTGGACCAAAATTT  
 GGCTCCTGTTCTAGGACGTGTGGAAGTGGTGTTCGTTTTAGAACACGCCAGTGAATAATCCACGCCCA  
 TCAATGGTGGGACAGGACTGCCCTGGTGTAAATTTGAGTACCAGCTTTGTAATACAGAAGATGCCAAAA  
 GCACTTTGAGGACTTCAGGGCCAGCAGTGCCAACAGCGTAACTCACACTTTGACTACCAGAATACCAAAA  
 CACCCTGGCTGCCGATGAACACCCTGACTCCAAGAAAAGATGCCACCTGTACTGTCACTCCAAGAGA  
 CCGGGGACGTTGCCTACATGAAACAACCTGGTGCATGACGGGACACGCTGCTCGTACAAAGACCCGTACAG  
 CATATGTGTGCGAGGAGAGTGTGTGAAAGTTGGCTGTGATAAGGAAATCGGCTCCAACAAGTTGAGGAT  
 AAGTGTGGGGTCTGTGGAGGGGACAATCCCACTGTGCAACTGTGAAGGGGACATTTACCAGAACGCCCA  
 GGAAACTTGGGTACCTTAAGATGTTTGATATCCCCCTGGGCTAGACATGTCTTAATCCAAGAAGACGA  
 GGCTTCTCCTCATGTTCTGCCATTAAGAACCAAGCCACAGTCACTACTTTTAAATGGCAAAGGGGAG  
 GAAGCCAAGTACGACCTTCATAGACCTTGGTGTGGAGTGGATTACAACATTGAAGATGACATTGAAA  
 CTCTCCACACGGATGGGCCACTACACGACCCCGTTATTGTTCTGATCATACCTCAGGAGAACGACACGCG  
 CTCTAGCCTGACGTATAAGTACATCATCCATGAAGACTCCGTGCCAACAAATCAACAGTAACAACGTCATC  
 CAGGAGGAGCTGGACACCTTCGAGTGGGCGCTGAAGAGCTGGTCTCAGTGTCCAAACCTGTGGTGGAG  
 GGTTCAGTATACGAAATACGGATGCCGAAGGAAAAGCGACAGTAAAATGGTTCACCGCAGCTTCTGTGA  
 GGTCAATAAGAAGCCGAAACCCATCAGACGCATGTGCAACATTCAGGAGTGCACACACCCGCTTGTTCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204777 representing NM\_001107212  
Red=Cloning site Green=Tags(s)

MVFLSLWLIAASLVEVRTSADGQAGAEEMVQIDLPTKRYREYELVTPVSTNLKGHYLSHILSANHKKRSP  
RDVSSNSEQLFFNVTAFGGRDFHLRLRPNTHFIAPGAVVEWHETAPRPGNTTDPNRSRPHRSSEGGWRSE  
PLQTSCAYVGDIMDVPGTSAISNCDGLAGMIKSDNEEYFIEPLERKQMDEENGRIHIVYKRSAMERAP  
RDVSEDEVYKESNLEGLDDLGTVYSNIGQQLNETTRRRRHAGENDYNIIEVLLGVDDSVVRFHGKEHVQNY  
LLTLMNIVNEIYHDESLGVHINVLVRMIMLGYAKSISLIERGNPSRSLENVCRWACQQQKSDPNHAEHH  
DHAIFLTRQDFGPAGMQGYAPVTGMCHPVRSC TLNHEDGFSSAFVVAHETGHVLMGEHDGQGNRCGDETA  
MGSVMAPLVQAAFHRYHWSRCSGQELKRYIHSYDCLLDDPFEDWPKLPELPGINYSMDEQCRDFGVGY  
KMCTAFRTFDPCQQLWCSHPDNPYFCKTKKGPPLDGTECAAGKWCYKGHCMMKNNANQQKQDGNWGSWTKF  
GSCSRTCGTGVRFRTRQCNNPTPINGGQDCPGVNFYQLCNTEECQKHFEDFRAQQCQRNSHFYQNTK  
HHWLPHEHPDSKKRCHLYCQSKETGDVA YMKQLVHDGTRCSYKDPYSICVRGECVKVGC DKEIGSNKVED  
KCGVCGGDNSHCRTVKGTFTRTPRKLG YLKMFDIPPGARHVLIQEDEASPHVLA IKNQATGHYILNGKGE  
EAKSRTFIDLGV EWDYNI EDDIETLHTDGPLHDPVIVL IIPQENDTRSSLTYKYI IHEDSVPTINSNNVI  
QEELDTFEWALKSWSQCSKPCGGGFQYTKYGCRRKSDSKMVHRSFCEVNKKPKPIRRMCNIQECTHPLVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

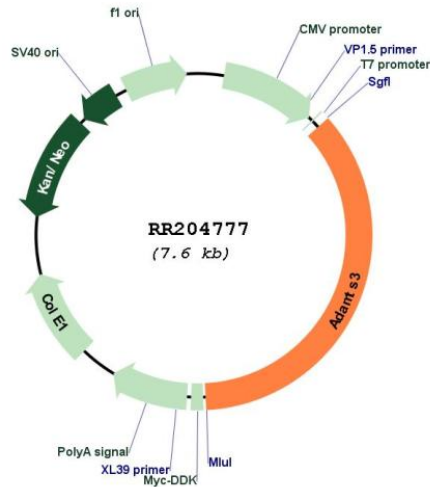
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001107212
<b>ORF Size:</b>	2730 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001107212.1</a> , <a href="#">NP_001100682.1</a>
<b>RefSeq Size:</b>	4204 bp
<b>RefSeq ORF:</b>	2733 bp
<b>Locus ID:</b>	305253
<b>Cytogenetics:</b>	14p22
<b>MW:</b>	103.5 kDa