

## Product datasheet for **RC222845A1V**

### Human Antithrombin III (SERPINC1) (NM\_000488) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Antithrombin III (SERPINC1) (NM_000488) AAV Particle
Tag:	Myc-DDK
Symbol:	Antithrombin III
Synonyms:	AT3; AT3D; ATIII; ATIII-R2; ATIII-T1; ATIII-T2; THPH7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC222845 representing NM\_000488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGATTCCAATGTGATAGGAACTGTAACCTCTGGAAAAGGAAGGTTTATCTTTTGTCTTGTCTGCTCA  
 TTGGCTTCTGGGACTGCGTGACCTGTACGGGAGCCCTGTGGACATCTGCACAGCCAAGCCGCGGACAT  
 TCCCATGAATCCCATGTGCATTTACCGTCCCCGGAGAAGAAGGCAACTGAGGATGAGGGCTCAGAACAG  
 AAGATCCCGGAGGCCACCAACCGCGTGTCTGGAACTGTCCAAGGCCAATTCGCGCTTTGCTACCACTT  
 TCTATCAGCACCTGGCAGATTCCAAGAATGACAATGATAACATTTTCTGTACCCTGAGTATCTCCAC  
 GGCTTTTGTATGACCAAGCTGGGTGCCTGTAATGACACCCTCCAGCAACTGATGGAGGTATTTAAGTTT  
 GACACCATATCTGAGAAAACATCTGATCAGATCCACTTCTTCTTGGCAAAGTGAAGTCCGACTCTATC  
 GAAAAGCCAACAATCTCCAAGTTAGTATCAGCCAATCGCTTTTTGGAGACAAATCCCTTACCTTCAA  
 TGAGACCTACCAGGACATCAGTGTGATATGGAGCAAGCTCCAGCCCTGGACTTCAAGGAAAAT  
 GCAGAGCAATCCAGAGCGCCATCAACAATGGGTGTCCAATAAGACCGAAGGCCGAATCACCGATGTCA  
 TTCCCTCGGAAGCCATCAATGAGCTCACTGTTCTGGTGTGGTTAACACCATTTACTTCAAGGGCCTGTG  
 GAAGTCAAAGTTCAGCCCTGAGAACACAAGGAAGGAACTGTTCTACAAGGCTGATGGAGAGTCTGTTC  
 GCATCTATGATGTACCAGGAAGGCAAGTTCGTTATCGGCGCGTGGCTGAAGGCACCCAGGTGCTTGAGT  
 TGCCCTCAAAGGTGATGACATCACCATGGTCTCATCTTGCCCAAGCCTGAGAAGAGCCTGGCCAAGGT  
 GGAGAAGGAACTACCCAGAGGTGCTGCAGGAGTGGCTGGATGAATTGGAGGAGATGATGCTGGTGGTC  
 CACATGCCCGCTTCCGCATTGAGGACGGCTTCAGTTTGAAGGAGCAGCTGCAAGACATGGCCCTGTGCG  
 ATCTGTTGAGCCCTGAAAAGTCCAAACTCCCAGGTATTGTTGCAGAAGGCCGAGATGACCTCTATGTCTC  
 AGATGCATTCCATAAGGCATTTCTTGGAGTAAATGAAGAAGGCAGTGAAGCAGCTGCAAGTACCGCTGTT  
 GTGATTGCTGGCCGTTGCTAAACCCCAACAGGCTGACTTTCAAGGCCAACAGGCCTTCTGTTTTTA  
 TAAGAGAAGTCTCTGAACACTATTATCTTCATGGGCAGAGTAGCCAACCCCTTGTGTTAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222845 representing NM\_000488  
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MYSNVIGTVTSGKRKVVLLSLLLIGFWDVCTCHGSPVDICTAKPRDIPMNPNCIYRSPEKKATEDEGSEQ  
 KIPEATNRRVWELSKANSRFATTFYQHLADSKNDNDNIFLSPLSISTAFAMTKLGACNDLQQLMEVFKF  
 DTISEKTSQIHFFFAKLNCRLYRKANKSSKLVSANRFLGDKSLTFNETYQDISELVYAKLQPLDFKEN  
 AEQSRAAINKWVSNKTEGRITDVIPSEAINELTVLVLVNTIYFKGLWKSFKSPENTRKELFYKADGESCS  
 ASMMYQEGKFRYRRVAEGTQVLELFPKGGDDITMVLILPKPEKSLAKVEKELTPEVLQEWLDELEEMMLV  
 HMPRFRIEDGFSLKEQLQDMGLVDLFSPEKSKLPGIVAEGRDDLYVSDAFHKAFLEVNEEGSEAAASTAV  
 VIAGRSLNPNRVTFKANRPFLVFIREVPLNTIIFMGRVANPCVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_000488

**ORF Size:**

1392 bp

**Buffer:**

PBS with 0.001% Pluronic F68

<b>Stability:</b>	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
<b>RefSeq:</b>	<u><a href="#">NM_000488.2</a></u>
<b>RefSeq Size:</b>	1559 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	462
<b>UniProt ID:</b>	<u><a href="#">P01008</a></u>
<b>Cytogenetics:</b>	1q25.1
<b>MW:</b>	52.6 kDa