

Product datasheet for **RC225664A1V**

Human alpha 1 Antitrypsin (SERPINA1) (NM_001127707) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human alpha 1 Antitrypsin (SERPINA1) (NM_001127707) AAV Particle
Tag:	Myc-DDK
Symbol:	alpha 1 Antitrypsin
Synonyms:	A1A; A1AT; AAT; alpha1AT; nNIF; PI; PI1; PRO2275
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC225664 representing NM_001127707 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCGCTTCTGTCTCGTGGGGCATCCTCCTGCTGGCAGGCCTGTGCTGCCTGGTCCCTGTCTCCCTGG
CTGAGGATCCCCAGGGAGATGCTGCCCAGAAGACAGATACATCCACCATGATCAGGATCACCCAACCTT
CAACAAGATCACCCCAACCTGGCTGAGTTCGCCTTCAAGCCTATACCGCCAGCTGGCACACCAAGTCCAAC
AGCACCAATATCTTCTTCTCCCAAGTGAAGATCGCTACAGCCTTTGCAATGCTCTCCCTGGGGACCAAGG
CTGCACTCACGATGAAATCCTGGAGGGCCTGAATTTCAACCTCACGGAGATTCCGGAGGCTCAGATCCA
TGAAGGCTTCCAGGAACCTCCTCCGTACCCTCAACCCAGCCAGACAGCCAGCTCCAGCTGACCAACCGCAAT
GGCTTGTCTCAGCGAGGGCCTGAAGCTAGTGGATAAGTTTTTGGAGGATGTTAAAAAGTTGTACCACT
CAGAAGCCTTCACTGTCAACTTCGGGGACACCGAAGAGGCCAAGAAACAGATCAACGATTACGTGGAGAA
GGTACTCAAGGGAAAATTGTGGATTTGGTCAAGGAGCTTGACAGAGACACAGTTTTTGTCTGTGTAAT
TACATCTTCTTTAAAGGCAAATGGGAGAGACCCTTTGAAGTCAAGGACACCGAGGAAGAGGACTTCCACG
TGGACCAGGTGACCACCGTGAAGGTGCCTATGATGAAGCGTTTAGGCATGTTTAAATCCAGCACTGTAA
GAAGCTGTCCAGCTGGGTGCTGCTGATGAAATACCTGGGCAATGCCACCGCCATCTTCTCTGCCTGAT
GAGGGGAACTACAGCACCTGGAATGAAGTCAACCCAGATATCATCAACCAAGTTCTTGAAAAATGAAG
ACAGAAGTCTGCCAGCTTACATTTACCCAACTGTCCATTACTGGAACCTATGATCTGAAGAGCGTCTCT
GGGTCAACTGGGCATCACTAAGGTCTTCAAGCAATGGGGCTGACCTCTCCGGGGTCACAGAGGAGGACCC
CTGAAGCTCTCAAGGCCGTGCATAAGGCTGTGCTGACCATCGACGAGAAAGGGACTGAAGCTGTGGGG
CCATGTTTTTAGAGGCCATACCATGTCTATCCCCCGAGGTCAAGTTCAACAAACCTTTGTCTTCTT
AATGATTGACCAAAATACCAAGTCTCCCTCTTCATGGGAAAAGTGGTGAATCCCAACCAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC225664 representing NM_001127707 Red=Cloning site Green=Tags(s) MPSSVSWGILLLAGLCLVPVSLAEDPQGDAQKTDTSHHQDHPFTFNKITPNLAFAFSLYRQLAHQSN STNIFFSPVSIATAFAMLSLGTKADTHDEILEGLNFNLTEIPEAQIHEGFQELLRTLNPDSQLQLTTGN GLFLSEGLKLVDFLEDVKKLYHSEFTVNFQDTEEAKKQINDYVEKGTQGGKIVDLVKELDRDVFALVN YIFFKGGWERPFVEVKDTEEDFHVDQVTVKVPMMKRLGMFNIQHCKLSSWVLLMKYLGNATAIFFLPD EGKLQHLENELTHDIITKFLNEDRRSASLHLPKLSITGTYDLKSVLGQLGITKVFSGADLSGVTEEAP LKLSKAVHKAVLTIDEKGTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIDQNTKSPLFMGKVVNPTQK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001127707
ORF Size:	1254 bp
Buffer:	PBS with 0.001% Pluronic F68
Stability:	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.
RefSeq:	<u>NM_001127707.1</u> , <u>NP_001121179.1</u>
RefSeq Size:	3300 bp
RefSeq ORF:	1257 bp
Locus ID:	5265
UniProt ID:	<u>P01009</u>
Cytogenetics:	14q32.13
MW:	46.7 kDa