

Product datasheet for RC221489A1V

Human alpha 1 Antitrypsin (SERPINA1) (NM_001002236) AAV Particle

Product data:

Product Type: AAV Particles
Product Name: Human alpha 1 Antitrypsin (SERPINA1) (NM_001002236) 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: >RC221489 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGCTTCTGTCTCGTGGGGCATCCTCCTGCTGGCAGGCCTGTGCTGCCTGGTCCCTGTCTCCCTGG
 CTGAGGATCCCCAGGGAGATGCTGCCGAGAAGACAGATACATCCCACCATGATCAGGATCACCCAACCTT
 CAACAAGATCACCCCAACCTGGCTGAGTTCGCCTTCAAGCCTATACCGCCAGCTGGCACACCAAGTCCAAC
 AGCACCAATATCTTCTTCTCCCCAGTGAGCATCGTACAGCCTTTGCAATGCTCTCCCTGGGGACCAAGG
 CTGACACTCACGATGAAATCCTGGAGGGCCTGAATTTCAACCTCACGGAGATCCGGAGGCTCAGATCCA
 TGAAGGTTCCAGGAATCCTCCGTACCTCAACCAGCCAGACGCCAGCTCCAGCTGACCACCGGCAAT
 GGCTTGTCTCAGCGAGGGCCTGAAGCTAGTGGATAAGTTTTGGAGGATGTTAAAAAGTTGTACCACT
 CAGAAGCCTTCACTGTCAACTTCGGGGACACCGAAGAGGCCAAGAAACAGATCAACGATTACGTGGAGAA
 GGGTACTCAAGGGAAAAATTGTGGATTTGGTCAAGGAGCTTGACAGAGACACAGTTTTTGTCTGTTGAAT
 TACATCTTCTTAAAGGCAATGGGAGAGACCTTTGAAGTCAAGGACACCGAGGAAGAGGACTTCCACG
 TGGACCAGGTGACCACCGTGAAGTGCCTATGATGAAGCGTTTAGGCATGTTAACATCCAGCACTGTAA
 GAAGCTGTCCAGCTGGGTGCTGCTGATGAAATACCTGGGCAATGCCACCGCCATCTTCTCTGCCTGAT
 GAGGGGAACTACAGCACCTGAAAAATGAACTACCCACGATATCATACCAAGTTCCTGAAAAATGAAG
 ACAGAAGTCTGCCAGCTTACATTTACCCAACTGTCCATTACTGGAACCTATGATCTGAAGAGCGTCTCT
 GGGTCAACTGGGCATCACTAAGTCTTCAAGCAATGGGGCTGACCTCTCCGGGGTACAGAGGAGGACCC
 CTGAAGCTCTCAAGGCCGTGCATAAGGCTGTGCTGACCATCGACGAGAAAGGGACTGAAGCTGTGGGG
 CCATGTTTTTAGAGGCCATACCCATGTCTATCCCCCGAGGTCAAGTTCAACAAACCTTTGTCTTCTT
 AATGATTGACCAAAATACCAAGTCTCCCTCTTATGGGAAAAGTGGTGAATCCCACCAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	<p>>RC221489 protein sequence Red=Cloning site Green=Tags(s)</p> <p>MPSSVSWGILLLAGLCLVPVSLAEDPQGDAQKTDTSHHDDHPTFNKITPNLAFAFSLYRQLAHQSN STNIFFSPVSIATAFAMLSLGTKADTHDEILEGLNFNLTEIPEAQIHEGFQELLRTLNPDSQLQLTTGN GLFLSEGLKLVDFLEDVKKLYHSEAFVNFVGDTEEAKKQINDYVEKGTQGGKIVDLVKELDRDRTVFALVN YIFFKGGWERPFVEVKDTEEDFHVDQVTTVKVPMKRLGMFNIQHCKKLSWVLLMKYLGNATAIFFLPD EGKLQHLENELTHDIITKFLNEDRRSASLHLPKLSITGTYDLKSVLGQLGITKVF SNGADLSGVTEEAP LKLSKAVHKAVLTIDEKGTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIDQNTKSPLFMGKVVNPTQK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001002236
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:	NM_001002236.1
RefSeq Size:	3513 bp
RefSeq ORF:	1257 bp
Locus ID:	5265
UniProt ID:	P01009
Cytogenetics:	14q32.13
MW:	46.7 kDa