

Product datasheet for **RC200509A1V**

Human alpha 1 Antichymotrypsin (SERPINA3) (NM_001085) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	alpha 1 Antichymotrypsin
Synonyms:	AACT; ACT; GIG24; GIG25
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence: >RC200509 representing NM_001085
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAGAGAATGTTACCTCTCCTGGCTCTGGGGCTCTTGGCGGCTGGGTTCTGCCCTGCTGTCTCTGCC
ACCCTAACAGCCCACTTGACGAGGAGAATCTGACCCAGGAGAACCAAGACCGAGGGACACAGTGGACCT
CGGATTAGCCTCCGCCAACGTGGACTTCGCTTTTCAGCCTGTACAAGCAGTTAGTCTGAAGGCCCTGAT
AAGAATGTCATCTTCTCCCACTGAGCATCTCCACCGCCTTGGCCTTCTGTCTCTGGGGGCCATAATA
CCACCTGACAGAGATTCTCAAAGGCCTCAAGTTCAACCTCACGGAGACTTCTGAGGCAGAAATTCACCA
GAGCTTCCAGCACCTCTGCGCACCTCAATCAGTCCAGCGATGAGCTGCAGCTGAGTATGGGAAATGCC
ATGTTTGTCAAAGAGCAACTCAGTCTGCTGGACAGGTTACGGAGGATGCCAAGAGGCTGTATGGCTCCG
AGGCCTTGGCACTGACTTTCAGGACTCAGCTGCAGCTAAGAAGCTCATCAACGACTACGTGAAGAATGG
AACTAGGGGAAAATCACAGATCTGATCAAGGACCTTGAATCGCAGACAATGATGGTCTGGTGAATTAC
ATCTTCTTTAAAGCCAAATGGGAGATGCCCTTTGACCCCAAGATACTCATCAGTCAAGGTTCTACTTGA
GCAAGAAAAAGTGGTAAATGGTGCCCATGATGAGTTTGCATCACCTGACTATACCTTACTTCCGGGACGA
GGAGCTGTCTGCACCGTGGTGGAGCTGAAGTACACAGGCAATGCCAGCGCACTCTTCATCTCCCTGAT
CAAGACAAGATGGAGGAAGTGAAGCCATGCTGCTCCAGAGACCTGAAGCGGTGGAGAGACTCTCTGG
AGTTCAGAGAGATAGGTGAGCTCTACCTGCCAAAGTTTCCATCTCGAGGGACTATAACCTGAACGACAT
ACTTCTCCAGCTGGGCATTGAGGAAGCCTTACCAGCAAGGCTGACCTGTGAGGATCACAGGGGCCAGG
AACCTAGCAGTCTCCAGGTGGTCCATAAGGCTGTGCTTGTATTTGAGGAGGGCACAGAAGCATCTG
CTGCCACAGCAGTCAAAATCACCTCTCTTCTGCATTAGTGGAGACAAGGACCATTTGCGTTTCAACAG
GCCCTTCTGATGATCATTGTCCCTACAGACCCAGAACATCTTCTTCATGAGCAAAGTCACCAATCCC
AAGCAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:	>RC200509 representing NM_001085 Red=Cloning site Green=Tags(s) MERMLPLLALGLLAAGFCPAVLCHPN SPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQLVLKAPD KNVIFSPLSISTALAFSLGAHNTTLTEILKGLKFNL TETSEAEIHQSFOHLLRTL NQSSDELQLSMGNA MFVKEQLSLLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKNGTRGKITDLIKDLSQTMMLVNY IFFKAKWEMPFDPDTHQSRFYL SKKKWVMVPMMLHHLTIPYFRDEEL SCTVVELKYTGNASALFILPD QDKMEEVEAMLLPETLKRWRDSLEFREIGELYLPKFSISRDNLDILLQLGIEEAFTSKADLSGITGAR NLAVSQVVHKAVLDVFEEGTEASAATAVKITLLSALVETRITVRFNRPFMLIIVPTDTQNIFFMSKVTNP KQA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001085
ORF Size:	1269 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_001085.4</u>
RefSeq Size:	1629 bp
RefSeq ORF:	1272 bp
Locus ID:	12
UniProt ID:	<u>P01011</u>
Cytogenetics:	14q32.13
MW:	47.65 kDa