

Product datasheet for **RC230314A1V**

Human ATAD3A (NM_001170535) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ATAD3A (NM_001170535) AAV Particle
Tag:	Myc-DDK
Symbol:	ATAD3A
Synonyms:	HAYOS; PHRINL
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC230314 representing NM_001170535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCGTGGCTCTTCGGCATTAAACAAGGGCCCCAAGGGTGAAGACGCGGGCGCCGCCCGCTTTGCCGC
 CCGCGCAGCCCCGGGGCCGAGGGCGCGGGGACCGCGGCTTGGGAGACCGCCGGCGCCCAAGGACAAATG
 GAGCAACTTCGACCCACCGGCCTGGAGCGCGCGCCAAGGCGCGCGGAGCTGGAGCACTCGCGTTAT
 GCCAAGGACGCCCTGAATCTGGCAGATGCAGGAGCAGACGCTGCAGTTGGAGCAACAGTCCAAGCTCA
 AAGAGTATGAGGCCGCCGTGGAGCAGCTCAAGAGCGAGCAGATCCGGGCGCAGGCTGAGGAGAGGAGGAA
 GACCCTGAGCGAGGAGACCCGGCAGCACCAGGCCAGGGCCAGTATCAAGACAAGCTGGCCCGCAGCGC
 TACGAGGACCAACTGAAGCAGCAGCACTTCTCAATGAGGAGAATTTACGGAAGCAGGAGGAGTCCGTGC
 AGAAGCAGGAAGCCATGCGGCGAGCCACCGTGGAGCGGGAGATGGAGCTGCGGCACAAGAATGAGATGCT
 GCGAGTGGAGGCCGAGGCCCGGGCGCGCCCAAGGCCGAGCGGAGAATGCAGACATCATCCGCGAGCAG
 ATCCGCCTGAAGCGGCCGAGCACCCTCAGACCGTCTTGAGTCCATCAGGACGGCTGGCACCTTGTTTG
 GGAAGGATTCGTGCCTTTGTGACAGACTGGGACAAAGTGACAGCCACGGTGGCTGGGTGACGCTGCT
 GGCTGTTGGGTCTACTCAGCCAAGAATGCCACGCTTGTGCGCGGCCGCTTCATCAGAGGCTCGGTGGGG
 AAGCGTCCCTAGTGAGGAGACGTCCCGCATCACGGTGTGAGGCGCTGCGGCACCCCATCCAGGTCA
 GCCGGCGGCTCCTCAGTCGACCCAGGACGCGCTGGAGGGTGTGTGCTCAGTCCAGCCTGGAAGCAGC
 GGTGCGCGACATCGCCATAGCAACAAGGAACACCAAGAAGAACCGCAGCCTGTACAGGAACATCCTGATG
 TACGGGCCACCAAGGACCCGGGAAGACGCTGTTTGCCAAGAACTCGCCCTGCACTCAGGCATGGACTACG
 CCATCATGACAGCGGGGACGTGGCCCCATGGGGCGGGAAGGCGTGACCGCCATGCACAAGCTCTTTGA
 CTGGGCCAATACCAGCCGGCGCGGCCTCCTGCTCTTTGTGGATGAAGCGGACGCCTTCCTTCGGAAGCGA
 GCCACCGAGAAGATAAGCGAGGACCTCAGGGCCACACTGAACGCCTTCCTGTACCGCACGGGCCAGCACA
 GCAACAAGTTCATGCTGGTCTGGCCAGCAACCAACCAGAGCAGTTCGACTGGGCCATCAATGACCGCAT
 CAATGAGATGGTCCACTTCGACCTGCCAGGGCAGGAGAACGGGAGCGCCTGGTGAGAATGTATTTTAC
 AAGTATGTTCTTAAGCCGGCCACAGAAGGAAAGCAGCGCTGAAGCTGGCCAGTTTGACTACGGGAGGA
 AGTGCTCGGAGGTCGCTCGGCTGACGGAGGGCATGTGGGGCGGGAGATCGCTCAGCTGGCCGTGCTCTG
 GCAGGCCACGGCGTATGCCTCCGAGGACGGGTCTGACCGAGGCCATGATGGACACCCGCTGCAAGAT
 GCTGTCCAGCAGCACCAGCAGAAGATGTGCTGGCTGAAGGCGGAAGGGCCTGGGCGTGGGACGAGCCCT
 CCCCATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSWLFGINKGPKGEDAGPPPPLPPAQPAGGGDRGLGDRPAPKDKWSNFDPTGLERAACAARELEHSRY
 AKDALNLAQMQEQLQLEQQSKLKEYEAAVEQLKSEQIRAQAEERRKTLSEETRQHQAQYQDKLARQR
 YEDQLKQQQLLNEENLRKQEEVQKQEAAMRRATVEREMELRHKNEMLRVEAEARAKAERENADIIREQ
 IRLKAAEHRQTVLESIRTAGTLFGEGFRAFTVDWVKVATVAGLTLLAVGVYSAKNATLVAGRFEARLG
 KPSLVRETSRITVLEALRHPIQVSRRLSRPQDALEGVVSPSLEARVRDIAIATRNTKKNRSLYRNILM
 YGPPGTGKTLFAKKLALHSGMDYAIMTGGDVAPMGREGVTAMHKLFDWANTSRRGLLLFVDEADFLRKR
 ATEKISEDRLATLNAFLYRTGQHSNKFMLVLASNQPEQFDWAINDRINEMVHFDLPQGEERERLVRMYFD
 KYVLKPATEGKQRLKLAQFDYGRKCSEVARLTEGMSGREIAQLAVSWQATAYASEDGVLEAMMDTRVQD
 AVQQHQKMCWLKAEGPGRGDEPSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001170535
ORF Size:	1758 bp
Buffer:	PBS with 0.001% Pluronic F9672
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_001170535.1</u>
RefSeq ORF:	1761 bp
Locus ID:	55210
UniProt ID:	<u>Q9NVI7</u>
Cytogenetics:	1p36.33
MW:	66.7 kDa