

## Product datasheet for **RC226185A1V**

### Human Ataxin 1 (ATXN1) (NM\_001128164) AAV Particle

#### Product data:

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Product Type:             | AAV Particles                                      |
| Product Name:             | Human Ataxin 1 (ATXN1) (NM_001128164) AAV Particle |
| Tag:                      | Myc-DDK                                            |
| Symbol:                   | ATXN1                                              |
| Synonyms:                 | ATX1; D6S504E; SCA1                                |
| Mammalian Cell Selection: | None                                               |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                         |



[View online »](#)

## ORF Nucleotide Sequence:

>RC226185 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAATCCAACCAAGAGCGGAGCAACGAATGCCTGCCTCCCAAGAAGCGCGAGATCCCCGCCACCAGCC  
GGTCCTCCGAGGAGAAGGCCCTACCCTGCCAGCGACAACCACGGGTGGAGGGACAGCATGGCTCCC  
GGGCAACCCTGGTGGCCGGGGCCACGGGGCGGGAGGCATGGGCCGCGAGGGACCTCGGTGGAGCTTGGT  
TTACAACAGGGAATAGGTTTACACAAAGCATTGTCCACAGGGCTGGACTACTCCCGCCAGCGCTCCCA  
GGTCTGTCCCGTGGCCACCACGCTGCCTGCCGCTACGCCACCCCGCAGCCAGGGACCCGGTGTCCCC  
CGTGCACTACGCTCACCTGCCGACACCTTCCAGTTTATTGGTCTCTCCAATACAGTGGAACTATGCC  
AGCTTCATCCCATCACAGCTGATCCCCCAACCGCCAACCCCGTCACCACTGCAGTGGCTCGGCCGAG  
GGGCCACCACTCCATCCAGCGCTCCAGCTGGAGGCTATTCCACTCTGCTGGCCAACATGGGCAGTCT  
GAGCCAGACGCCGGGACACAAGGCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG  
CATCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG  
TCACCCCGGGGTCCCCCCCACCAGCCCAGCAGAACCACTACGTCCACATTTCCAGTTCTCCGAGAACAC  
CGGCCGACCCGCTCTCTCCGGCCATCCCCGTCCACCTCCACCCCAACAGACGATGATCCACACACG  
CTACCCCTGGGGCCCCCTCCAGGTGCTCATGAATACGCCGACTCCGGCAGCCACTTTGTCCCTCGGG  
AGGCCACCAAGAAAGCTGAGAGCAGCCGGTGCAGCAGGCCATCCAGGCCAAGGAGTCTGAACGGTGA  
GATGGAGAAGAGCCGGCGGTACGGGGCCCCGTCTCAGCCGACCTGGGCTGGGCAAGGAGGCGGCAAG  
TCGGTTCTCACCCGTACGAGTCCAGGCAGTGGTGGTCCACCCGAGCCCTCAGACTACAGCAGTCTGT  
ATCCTTCGGGGTCCGGGCTCTGTGATGGTCTGCCCCAACAGCAACACGCCCGCAGTGACCTGGAGGT  
GCAACAGGCCACTCATCGTGAAGCCTCCCTTCTACCCTCAACGACAAAAGTGGCTGCATTTAGGGAAG  
CCTGGCCACCGGTCTACGCGCTCTACCCACACGGTCATTACAGACCACACAGTGCTTCAGAGCCAC  
TCCCGGTGGGACTGCCAGCCACGGCTTCTACGCAAGGACTCAACCCCTGTCTCGGCTACCTGAGCGG  
CCAGCAGCAAGCAATCACCTACGCCGGCAGCTGCCAGCACCTGGTATCCCGGCACACAGCCCTG  
CTCATCCCGGTGGCAGCACTGACATGGAAGCGTCGGGGGAGCCCGGCCATAGTCACGTCTATCCCCC  
AGTTTGCTGCAGTGCCTCACAGTTCTGTACCAACCGCCCTTCCAAGAGCGAGAATTCAACCTGAGGC  
CCTGGTCAACAGGCCGCTACCCAGCCATGGTGCAGGCCAGATCCACCTGCCTGTGGTGCAGTCCGTG  
GCCTCCCGGGCGGGCTCCCCCTACGCTGCCTCCCTACTTCATGAAAGGCTCCATCATCCAGTTGGCCA  
ACGGGGAGCTAAAGAAGGTGGAAGACTTAAAAACAGAAGATTTATCCAGAGTGCAGAGATAAGCAACGA  
CCTGAAGATCGACTCCAGCACCGTAGAGAGGATTGAAGACAGCCATAGCCCGGGCGTGGCCGTGATACAG  
TTCGCCGTGGGGAGACCGAGCCAGGTGAGCGTTGAAGTTTGGTAGAGTATCCTTTTTTTGTGTTTG  
GACAGGGCTGGTCTCTGCTGTCCGGAGAGAACCAGCCAGCTCTTGATTTGCCGTGTTCCAACTCTC  
AGTTGGGGATGTCTGCATCTCGTTACCTCAAGAACCTGAAGAACGGCTCTGTTAAAAAGGGCCAGCCC  
GTGGATCCCGCCAGCGTCTGCTGAAGCACTCAAGGCCGACGGCTGGCGGGCAGCAGACACAGGTATG  
CCGAGCAGGAAAACGGAATCAACCAGGGGAGTGCCAGATGCTCTCTGAGAATGGCGAACTGAAGTTTCC  
AGAGAAAATGGGATTGCCTGCAGCGCCCTTCTCACAAAATAGAACCCAGCAAGCCCGGGCAACGAGG  
AAGAGGAGGTGGTCGGGCCAGAGAGCCGAAACTGGAGAAGTCAGAAGACGAACCACTTTGACTCTTC  
CTAAGCCTTCTTAATCCTCAGGAGGTTAAGATTTGCATTGAAGGCCGTCTAATGTAGGCAAG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC226185 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MKSNQERSNECLPPKKREIPATSRSSSEKAPTLPNDHRVEGTAWLPGNPGGRGHGGGRHGPAGTSVELG<br/> LQQGIGLHKALSTGLDYSPPSAPRSVPVATTLPAAYATPQGPVSPVQYAHLPHTFQFIGSSQYSGTYA<br/> SFIPSQLIPPTANPVTSAVASAAGATTPSQRSQLEAYSTLLANMGSLSQTPGHKAEQQQQQQQQQQHQ<br/> HQQQQQQQQQQQQHLSRAPGLITPGSPPPAQQNQYVHISSSPQNTGRTASPPAIPVHLHPHQTMIPT<br/> LTLGPPSQVVMQYADSGSHFVPREATKKAESSRLQQAIAKEVLNGEMKSRRYGAPSSADLGLGKAGGK<br/> SVPHPYESRHVVVHPSPSDYSSRDPGVRASVMVLPNSNTPAADLEVQQAATHREASPSTLNDKSGLHLGK<br/> PGHRSYALSPHTVIQTTHSASEPLPVGLPATAFYAGTQPPVIGYLSGQQQAITYAGSLPQHLVIPGTQPL<br/> LIPVGSTDMEASGAAPAVTSSPQFAAVPHTFVTTALPKSENFNPEALVTQAAYPAMVQAQIHLVVQSV<br/> ASPAAPPTLPPYFMKGSIIQLANGELKKVEDLKTEDFIQSAEISNDLKIDSSTVERIEDSHSPGVAVIQ<br/> FAVGEHRAQVSVEVLVEYPFFVFGQGWSSCCPERTSQLFDLPCSKLSVGDVCISLTLKNLKNKSVKKGQP<br/> VDPASVLLKHSKADGLAGSRHRYAEQENGINQGSAQMLSENGELKFPEKMGLPAAPFLTKIEPSKPAATR<br/> KRRWSAPESRKLEKSEDEPPLTLPKPSLIPQEVKICIEGRSNVGK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ACCN:             | NM_001128164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ORF Size:         | 2445 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer:           | PBS with 0.001% Pluronic F9110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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:           | <a href="#">NM_001128164.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RefSeq Size:      | 10587 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq ORF:       | 2448 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Locus ID:         | 6310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt ID:       | <a href="#">P54253</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cytogenetics:     | 6p22.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:               | 86.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |