

## Product datasheet for **RC208643A1V**

### Human APOL3 (NM\_145639) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human APOL3 (NM_145639) AAV Particle                              |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | APOL3                                                             |
| Synonyms:                 | apoL-III; APOLIII; CG12_1; CG121                                  |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC208643 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGACTCAGAAAAGAAACGCTTTACTGAAGAGGCCACCAATACTTCCGGGAGAGAGTCAGCCAGTGC  
ATCTGCAATCCTGCTGACTAACAATGAAGCCTGGAAGAGATTCGTGACTGCGGCTGAATTGCCAGGGA  
TGAGGCAGATGCTCTCTACGAAGCTCTGAAGAAGCTTAGAACATATGCAGCTATTGAGGACGAATATGTG  
CAGCAGAAAGATGAGCAGTTTAGGGAATGGTTTTGAAAGAGTTTCCCAAGTCAAGAGGAAGATCCAGG  
AGTCCATAGAAAAGCTTCGTGCCCTTGCAAATGGTATTGAAGAGGTCCACAGAGGCTGCACCATCTCCAA  
TGTGGTGTCCAGCTCCACTGGCGCTGCCTCTGGCATCATGTCCCTTGCTGGTCTTGTGTTTGGCACCATT  
ACAGCAGGGACGAGTCTGGCCCTTACTGCAGCTGGGGTAGGGCTGGGAGCAGCGTCTGCTGTGACTGGGA  
TCACCACCAGCATCGTGGAGCACTCATACATCATCAGCAGAAGCTGAAGCCAGCAGGCTGACTGCAAC  
CAGCATTGACCGATTGAAGGTATTTAAGGAAGTTATGCGTGACATCACACCAACTTACTTTCCCTTCTT  
AATAATTATTACGAAGCCACACAACCATTTGGGAGTGAAATCCGTGCCATCAGGCAAGCCAGAGCCAGGG  
CCCGACTCCCTGTGACCACCTGGCGAATCTCAGCTGGAAGTGGTGGTCAAGCAGAGAGAACGATTGCAGG  
CACCACCCGGGCAGTGAGCAGAGGAGCCCGGATCCTGAGTGCGACCACTTCAGGCATCTCCTTGCACTG  
GATGTGGTCAACCTTGTATACGAGTCAAAGCACTTGCATGAGGGGGCAAAGTCTGCATCTGCTGAGGAGC  
TGAGGCGGCAGGCTCAGGAGCTGGAGGAGAATCTAATGGAGCTCACTCAGATCTATCAGCGTCTGAATCC  
ATGCCATACCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC208643 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MDSEKKRFTEEATKYFRERVSPVHLQILLTNNEAWKRFVTAELPRDEADALYEALKKLRTYAAIEDEYV<br/>           QQKDEQFREWFLKEFPQVKRKIQESIEKLRALANGIEEVHRGCTISNVVSSSTGAASGIMSLAGLVLPF<br/>           TAGTSLALTAAGVGLGAASAVTGITTSIVEHSYTSSAEAEASRLTATSIDRLKVFEVMDITPNLLSLL<br/>           NNYEATQTIGSEIRAIRQARARARLPVTTWRISAGSGGQAERTIAGTTTRAVSRGARILSATTSGIFLAL<br/>           DVVNLVYESKHLHEGAKSASAEELRRQAQEELENLMELTQIYQRLNPCHTH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>             | NM_145639                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ORF Size:</b>         | 993 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability:</b>        | 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.                                                      |
| <b>RefSeq:</b>           | <u>NM_145639.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>      | 2215 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>       | 996 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>         | 80833                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>       | <u>O95236</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>     | 22q12.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 36.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |