

## Product datasheet for **RC225751A1V**

### Human **ALDH3A1 (NM\_001135168)** AAV Particle

#### Product data:

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | AAV Particles                             |
| Product Name:             | Human ALDH3A1 (NM_001135168) AAV Particle |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | ALDH3A1                                   |
| Synonyms:                 | ALDH3; ALDHIII                            |
| Mammalian Cell Selection: | None                                      |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                |



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RC225751 representing NM\_001135168  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGAGCAAGATCAGCGAGGCCGTGAAGCGCGCCCGCGCCCTTCAGCTCGGGCAGGACCCGTCCGCTGC  
 AGTTCCGGATCCAGCAGCTGGAGGCGCTGCAGCGCCTGATCCAGGAGCAGGAGCAGGAGCTGGTGGGCGC  
 GCTGGCCGACAGCTGCACAAGAATGAATGGAACGCCTACTATGAGGAGGTGGTGTACGTCTAGAGGAG  
 ATCGAGTACATGATCCAGAAGCTCCCTGAGTGGGCCGCGGATGAGCCCGTGGAGAAGACGCCCCAGACTC  
 AGCAGGACGAGCTCTACATCCACTCGGAGCCACTGGGCGTGGTCTCGTCATTGGCACCTGGAATACCC  
 CTTCAACCTCACCATCCAGCCCATGGTGGGCGCCATCGCTGCAGGGAAGTCAAGTGGTCTCAAGCCCTCG  
 GAGCTGAGTGAGAACATGGCGAGCCTGCTGGCTACCATCATCCCCAGTACCTGGACAAGGATCTGTACC  
 CAGTAATCAATGGGGTGTCCCTGAGACCACGGAGCTGCTCAAGGAGAGGTTGACCATATCCTGTACAC  
 GGGCAGCACGGGGTGGGAAGATCATCATGACGGCTGCTGCCAAGCACCTGACCCCTGTACGCTGGAG  
 CTGGGAGGGAAGAGTCCCTGCTACGTGGACAAGAACTGTGACCTGGACGTGGCCTGCCGACGCATCGCCT  
 GGGGGAATTCATGAACAGTGGCCAGACCTGCGTGGCCCTGACTACATCCTCTGTGACCCCTCGATCCA  
 GAACCAAATTGTGGAGAAGCTCAAGAAGTCACTGAAAGAGTTCTACGGGAAGATGCTAAGAAATCCCGG  
 GACTATGGAAGAATCATTAGTGGCCGCGCACTTCAGAGGGTGTGGGCTGATTGAGGGCCAGAAGGTGG  
 CTTATGGGGGACCGGGGATGCCGCCACTCGCTACATAGCCCCCACCATCCTCACGGACGTGGACCCCCA  
 GTCCCCGTGATGCAAGAGGAGATCTTCGGGCTGTGCTGCCATCGTGTGCGTGCAGCCTGGAGGAG  
 GCCATCCAGTTCATCAACCAGCGTGAGAAGCCCTGGCCCTCTACATGTTCTCCAGCAACGACAAGGTGA  
 TTAAGAAGATGATTGCAGAGACATCCAGTGGTGGGTGGCGGCCAACGATGTATCGTCCACATCACCTT  
 GCACTCTCTGCCCTTCGGGGCGTGGGGAACAGCGGCATGGGATCCTACCATGGCAAGAAGAGCTTCGAG  
 ACTTTCTCTACCGCCGCTCTTGCTGCTGAGGCTCTGATGAATGATGAAGGCTGAAGGTGAGATACC  
 CCCCAGCCCGCCAAGATGACCCAGCAC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC225751 representing NM\_001135168  
 Red=Cloning site Green=Tags(s)

MSKISEAVKRARAASFSSGRTRPLQFRIQQLEALQRLIQEQEQELVGALAADLHKNEWNAYYEEVVVLEE  
 IEYMIQKLPEWAADPEVEKTPQTQQDELYIHSEPLGVVLVIGTWNYPFNLTIQPMVGAIAGNSVVLKPS  
 ELSNMASLLATIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTGVGKIIMTAAAKHLTPVTLE  
 LGGKSPCYVDKNCDLVACRRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLKSLKEFYGEDAKKSR  
 DYGRIIISARHFQRMGLIEGQKVAYGGTGAATRYIAPTILTDVDPQSPVMQEEIFGPVLPVIVCVRSL  
 EEAIQFINQREKPLALYMFSSNDKVIKKMIAETSSGGVAANDVIVHITLHSLPFGGVGNSMGSYHGKKSFE  
 TFSHRRSCLVRPLMNDEGLKVRYPPSPAKMTQH

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001135168

**ORF Size:**

1359 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_001135168.1</u> , <u>NP_001128640.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq ORF:   | 1362 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 218                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt ID:   | <u>P30838</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 17p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:           | 50.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |