

Product datasheet for **RC225750A1V**

Human **ALDH3A1** (NM_001135167) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH3A1 (NM_001135167) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH3A1
Synonyms:	ALDH3; ALDHIII
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC225750 representing NM_001135167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAGCAAGATCAGCGAGGCCGTGAAGCGCGCCCGCGCCCTTCAGCTCGGGCAGGACCCGTCCGCTGC
 AGTTCCGGATCCAGCAGCTGGAGCGCTGCAGCGCCTGATCCAGGAGCAGGAGCAGGAGCTGGTGGGCGC
 GCTGGCCGACAGCTGCACAAGAATGAATGGAACGCCTACTATGAGGAGGTGGTGTACGTCTAGAGGAG
 ATCAGTACATGATCCAGAAGCTCCCTGAGTGGCGCGGATGAGCCGTGGAGAAGACGCCAGACTC
 AGCAGGACGAGCTCTACATCCACTCGGAGCCACTGGGCGTGGTCTCGTCATTGGCACCTGGAATACCC
 CTTCAACCTCACCATCCAGCCCATGGTGGGCGCCATCGCTGCAGGGAAGTCAAGTGGTCTCAAGCCCTCG
 GAGCTGAGTGAGAACATGGCGAGCCTGCTGGCTACCATCATCCCCAGTACCTGGACAAGGATCTGTACC
 CAGTAATCAATGGGGTGTCCCTGAGACCACGGAGCTGCTCAAGGAGAGGTTGACCATATCCTGTACAC
 GGGCAGCACGGGGTGGGAAGATCATCATGACGGCTGCTGCCAAGCACCTGACCCCTGTACGCTGGAG
 CTGGGAGGGAAGAGTCCCTGCTACGTGGACAAGAACTGTGACCTGGACGTGGCCTGCCGACGCATCGCCT
 GGGGGAATTCATGAACAGTGGCCAGACCTGCGTGGCCCTGACTACATCCTCTGTGACCCCTCGATCCA
 GAACCAAATTGTGGAGAAGCTCAAGAAGTCACTGAAAGAGTTCTACGGGAAGATGCTAAGAAATCCCGG
 GACTATGGAAGAATCATTAGTCCCCGCGCACTTCAGAGGGTGTGGGCTGATTGAGGGCCAGAAGGTGG
 CTTATGGGGGACCGGGGATGCCGCCACTCGCTACATAGCCCCCACCATCCTCACGGACGTGGACCCCA
 GTCCCCGTGATGCAAGAGGAGATCTTCGGGCTGTGCTGCCATCGTGTGCGTGCAGCCTGGAGGAG
 GCCATCCAGTTCATCAACCAGCGTGAGAAGCCCTGGCCCTCTACATGTTCTCCAGCAACGACAAGGTGA
 TTAAGAAGATGATTGCAGAGACATCCAGTGGTGGGTGGCGCCAACGATGTATCGTCCACATCACCTT
 GCACTCTCTGCCCTTCGGGGCGTGGGGAACAGCGGCATGGGATCCTACCATGGCAAGAAGAGCTTCGAG
 ACTTTCTCTACCGCCGCTCTTGCTGCTGAGGCTCTGATGAATGATGAAGGCTGAAGGTGAGATACC
 CCGGAGCCCGCCAAGATGACCCAGCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225750 representing NM_001135167
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MSKISEAVKRARAASFSSGRTRPLQFRIQQLEALQRLIQEQEQELVGALAADLHKNEWNAYYEEVVYVLEE
 IEYMIQKLPEWAADPEVEKTPQTQQDELYIHSEPLGVVLVIGTWNYPFNLTIQPMVGAIAGNSVVLKPS
 ELSNMASLLATIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTGVGKIIMTAAAKHLTPVTLE
 LGGKSPCYVDKNCDLVACRRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLKSLKEFYGEDAKKSR
 DYGRIIISARHFQRMGLIEGQKVAYGGTGAATRYIAPTILTDVDPQSPVMQEEIFGPVLPVIVCVRSL
 EEAIQFINQREKPLALYMFSSNDKVIKKMIAETSSGVAANDVIVHITLHSLPFGGVGNSMGSYHGKKSFE
 TFSHRRSCLVRPLMNDEGLKVRYPPSPAKMTQH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001135167

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_001135167.1</u> , <u>NP_001128639.1</u>
RefSeq ORF:	1362 bp
Locus ID:	218
UniProt ID:	<u>P30838</u>
Cytogenetics:	17p11.2
MW:	50.2 kDa