

## Product datasheet for **RC204884A1V**

### Human ALDH4A1 (NM\_170726) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH4A1 (NM_170726) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH4A1
Synonyms:	ALDH4; P5CD; P5CDh
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC204884 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCTGCCGGCGCCCGCTCCGCCGCGCCCTGCTGTCCCGCCCCTGGACCGGGGCCGCGCTGCGGT  
 GGAAGCACACCTCCTCCCTGAAGGTGGCCAACGAGCCCGTCTTAGCCTTCACGCAGGGCAGCCCTGAGCG  
 AGATGCCTGCAAAAGGCCTTGAAGGACCTGAAGGGCCGATGGAAGCCATCCCATGCGTGGTGGGGAT  
 GAGGAGGTGTGGACGTCGGACGTGACGTACCAAGTGTGCGCTTTAACCATGGACATAAGGTGGCCAAGT  
 TCTGTTATGCAGACAAGAGCCTGCTCAACAAAGCCATTGAGGCTGCCCTGGCTGCCCGAAAGAGTGGGA  
 CCTGAAGCCTATTGCAGACCGGGCCAGATCTTCTGAAGGGCGCAGACATGCTGAGTGGGCCGCGCAGG  
 GCTGAGATCCTCGCAAGACCATGGTGGACAGGGTAAGACCGTATCCAAGCGGAGATTGACGTCGAC  
 CGGAACTCATCGACTTCTCCGTTCAATGCCAAGTATCGGTGGAGCTGGAGGGGCAGCAGCCCATCAG  
 CGTGCCCCGAGCACCAACAGCACGGTGTACCGGGTCTGGAGGGCTTCGTGGCGCCATCTCGCCCTTT  
 AACTTCACTGCAATCGGCGGCAACCTGGCGGGGCACCGCCCTGATGGCAACGTGGTCTATGGAAGC  
 CCAAGTGAACCTGCTGGCCAGCTATGCTGTCTACCGCATCCTTCGGGAGGCTGGCCTGCCCCCAA  
 CATCATCCAGTTTGTGCCAGCTGATGGGCCCTATTTGGGGACTGTACCAGCTCAGAGCACCTCTGT  
 GGCATCAACTTACAGGCAGTGTGCCACCTTCAAACCTGTGGAAGCAGGTGGCCAGAACCTGGACC  
 GGTTCCACACCTTCCCACGCCTGGTGGAGAGTGCGGCGGAAAGAACTTCCACTTCGTGCACCGCTCGGC  
 CGACGTGGAGAGCGTGGTGGAGCGGACCTCCGCTCAGCCTTCGAGTACGGTGGCCAGAAGTGTCCGCG  
 TGCTCGCGTCTCTACGTGCCGACTCGCTGTGGCCGAGATCAAAGGGCGGCTGCTGGAGGACACAGTC  
 GGATCAAAGTGGGCGACCCTGCAGAGGATTTTGGGACCTTCTTCTGTCAGTGATTGATGCCAAGTCTT  
 TGCCCGTATCAAGAAGTGGCTGGAGCACGCACGCTCCTCACCCAGCCTACCATCCTGGCCGGGGCAAG  
 TGTGATGACTCCGTGGGCTACTTTGTGGAGCCCTGCATCGTGGAGAGCAAGGACCCTCAGGAGCCATCA  
 TGAAGGAGGAGATCTTCGGCCCTGACTGTCTGTGTACGTCTACCCGGATGACAAGTACAAGGAGACGCT  
 GCAGCTGGTTGACAGCACACCAGCTATGGCCTCACGGGGCAGTGTTCTCCAGGATAAGGACGTCGTG  
 CAGGAGGCCACAAAGGTGCTGAGGAATGCTGCCGCAACTTCTACATCAACGACAAGTCCACTGGCTCGA  
 TAGTGGGCCAGCAGCCCTTTGGGGGGCCGAGCCTCTGGAACCAATGACAAGCCAGGGGGCCACACTA  
 CATCCTGCGCTGGACGTCGCCGAGGTATCAAGGAGACATAAGCCCTGGGGACTGGAGCTACGCG  
 TACATGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>RC204884 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLPAPALRRALLSRPWTGAGLRWKHTSSLKVANEPVLAFTQGSPPERDALQKALKDLKGRMEAIPCVVGD  
 EEVWTSVQYQVSPFNHGHKVKAFKYADKSLNKAIEAALAARKEWDLKPIADRAQIFLKAADMLSGPRR  
 AEILAKTMVGQKTVIQAEIDAAELIDFFRFNAKYAVELEGQQPISVPPSTNSTVYRGLGEGFVAASIPF  
 NFTAIGGNLAGAPALMGNVVLWKPSTAMLASYAVYRILREAGLPPNIIQFVFPADGPLFGDVTSSSEHLC  
 GINFTGSVPTFKHLWKQVAQNDRFHTFPRLAGECGKFNHFVHRSADVESVSGTLRSFAFYGGQKCSA  
 CSRLYVPHSLWPQIKGRLLLEHSRIKVGDPADFDTFFSAVIDAKSFARIKKWLEHARSSPSLILAGGK  
 CDDSVGYFVEPCIVESKDPQEPIMKEEIFGPVLSVYVYPDDKYKETLQLVDSTTSYGLTGAVFSQDKDVV  
 QEATKVLRNAAGNFYINDKSTGSIVGQQPFGGARASGTNDKPGGPHYILRWTSPQVIKETHKPLGDWSYA  
 YMQ

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

<b>ACCN:</b>	NM_170726
<b>ORF Size:</b>	1689 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><a href="#">NM_170726.1</a></u>
<b>RefSeq Size:</b>	2386 bp
<b>RefSeq ORF:</b>	1692 bp
<b>Locus ID:</b>	8659
<b>UniProt ID:</b>	<u><a href="#">P30038</a></u>
<b>Cytogenetics:</b>	1p36.13
<b>MW:</b>	61.7 kDa