

## Product datasheet for **RC200648A1V**

### Human Aldehyde dehydrogenase 10 (ALDH3A2) (NM\_001031806) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Aldehyde dehydrogenase 10 (ALDH3A2) (NM_001031806) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldehyde dehydrogenase 10
Synonyms:	ALDH10; FALDH; SLS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC200648 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAGCTCGAAGTCCGGCGGGTCCGACAGGCGTTCCTGTCCGGCCGGTCCGACCTCTCGGTTTCGGC  
 TGCAGCAGCTGGAGGCCCTCGGAGGATGGTGCAGGAGCGCAGAAGGATATCCTGACGGCCATCGCCGC  
 CGACCTGTGCAAGAGTGAATTCATGTGTACAGTCAGGAAGTCATTACTGTCCTTGGGAAATTGATTTT  
 ATGCTTGAGAATCTTCTGAATGGGTTACTGCTAAACCAGTTAAGAAGAAGCTGCTCACCATGCTGGATG  
 AGGCCTATATTCAGCCACAGCCTCTGGGAGTGGTGTGATAATCGGAGCTTGAATTACCCCTTCGTTCT  
 CACCATTACGCCACTGATAGGAGCCATCGCTGCAGGAAATGCTGTGATTATAAAGCCTTCTGAAGTACTG  
 GAAAATACAGCCAAGATCTTGGCAAAGCTTCTCCCTCAGTATTTAGACCAGGATCTCTATATTGTTATTA  
 ATGGTGGTGTGAGGAAACCACGGAGCTCCTGAAGCAGCGATTTGACCACATTTTCTATACGGGAAACAC  
 TGGCGTTGGCAAATTTGTCATGGAAGCTGCTGCCAAGCATCTGACCCCTGTGACTCTTGAAGTGGGAGGG  
 AAAAGTCCATGTTATATTGATAAAGATTGTGACCTGGACATTGTTTGCAGACGCATAACCTGGGGAAAT  
 ACATGAATTGTGGCCAAACCTGCATTGCACCCGACTATATTCTCTGTGAAGCATCCCTCCAAAATCAAAT  
 TGTATGGAAGATTAAGGAAACAGTGAAGGAATTTATGGAGAAAATATAAAAAGAGTCTCCTGATTATGAA  
 AGGATCATCAATCTTCGTCATTTAAGAGGATACTAAGTTTGTGCTGAAGGACAAAAGATAGCTTTTGGTG  
 GGGAGACTGATGAGGCCACACGCTACATAGCCCAACAGTACTTACCGATGTTGATCCTAAAACCAAGGT  
 GATGCAAGAAGAAATTTTGGACCAATCTTCCAATAGTGCCTGTGAAAAATGTAGATGAGGCCATAAAT  
 TTCATAAATGAACGTGAAAAGCCTCTGGCTCTTTATGTATTTTCGCATAACCATAAGCTCATCAAACGGA  
 TGATTGATGAGACATCCAGTGGAGGTGTCACAGGCAATGACGTCATTATGCACTTCACGCTCAACTCTTT  
 CCCATTTGGAGAGTGGGTTCCAGTGGGATGGGAGCTTATCACGGAAAACATAGTTTTGATACTTTTTCT  
 CATCAGCGTCCCTGTTTATTAAAAAGTTTAAAGAGAGAAGGTGCTAACAAACTCAGATATCCTCCCAACA  
 GCCAGTCAAAGGTGGATTGGGAAAATTTTTCTCTTGAACGGTTCAACAAAGAAAAACTCGGTCTCCT  
 GTTGCTCACTTCTGGGTATTGTAGCCGCTGTGCTTGTCAAGAAATACCAAGCTGTGCTGAGGAGAAAG  
 GCCCTGTTGATTTTTCTGGTAGTTCACAGACTGCGTTGGTCCAGTAAGCAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200648 protein sequence  
 Red=Cloning site Green=Tags(s)

MELEVRRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKDI LTAIADLCKSEFNVYSQEVITVLGEIDF  
 MLENLPEWVTAKPVKKNVLTMLDEAYIQPQLGVVLIIGAWNYPFVLTIQPLIGIAAAGNAVI IKPELS  
 ENTAKILAKLLPQYLDQDLYIVINGVEETELLKQRFDHIFYTGNTAVGKIVMEAAAKHLTPVTLELGG  
 KSPCYIDKDCDLDIVCRRITWGYMNCGQTCIAPDYILCEASLQNVKIKETVKEFYGENIKESPDYE  
 RIINLRHFKRILSLEGGQKIAFGGETDEATRYIAPTIVLTDVDPKTKVMQEEIFGPILPIVPVKNVDEAIN  
 FINEREKPLALYVFSHNHKLIKRMIDETSSGGVTGNDVIMHFTLNSFPFGVGS SGMGAYHGKHSFDTF S  
 HQRPCLLKS LKREGANKLRYPPNSQSKVDWGFLLKRFNKEKLG LLLL TFLGIVA AVLKVKYQAVLRRK  
 ALLIFLVVHRLRWSSKQR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001031806

**ORF Size:**

1524 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_001031806.1</a></u>
<b>RefSeq Size:</b>	3823 bp
<b>RefSeq ORF:</b>	1527 bp
<b>Locus ID:</b>	224
<b>UniProt ID:</b>	<u><a href="#">P51648</a></u>
<b>Cytogenetics:</b>	17p11.2
<b>MW:</b>	57.7 kDa