

Product datasheet for **RC216921A1V**

Human ALDH9A1 (NM_000696) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH9A1 (NM_000696) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH9A1
Synonyms:	ALDH4; ALDH7; ALDH9; E3; TMABA-DH; TMABADH; TMABALDH
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216921 representing NM_000696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTCTCCGAGCAGGCTGGCCGCGCTCTCCCGCTTCTTCGCAGTCTTCGGCCCTCTCTGTGCGCCG
 CCATGAGCACTGGCACCTTCGTCGTGTCGAGCCGCTCAATTACCGCGGGGGCCCGCTGGAGCCGGC
 GGACGCCTCCGGTACCGAGAAAGCTTTCGAGCCAGCAACCGCCGAGTGATAGCTACTTTCACATGTTCA
 GGAGAAAAGGAAGTAAATTTGGCTGTTCAAATGCAAAGGCTGCTTTTAAATATGGAGTCAAAAATCTG
 GCATGGAGCGTTGCCAATCCTTTGGAGGCTGCCAGGATAAAGGGAACGGGAGGATGAAATTGCTAC
 TATGGAGTGCATCAACAATGGCAAGTCCATCTTTGAGGCCGCTTGGACATTGACATTTCTGCCAGTGC
 CTGGAGTATTATGCGGGCTTGGCTGCATCCATGGCTGGTGAACACATCCAGCTCCAGGTGGATCGTTTG
 GTTATACCAGAAGAGAACCCTTGGGGTATGTGTGGGAATAGGAGCATGGAACCTCCCTTTAGATTGC
 CTCTTGAAGTCCGCTCCAGCATTAGCCTGTGGTAATGCCATGGTCTTTAAACCTTCTCCCTTTACACCT
 GTTTCTGCATTGCTACTGGCTGAAATCTACAGTGAAGGCTGGTGTACCTCTGGGCTCTTCAATGGTGC
 AGGGAGGGGCTGCCACAGGCCAGTTTCTGTGTGACATCCCGATGTGGCCAAAGTCTCCTTCACTGGAAG
 TGTGCCCACTGGCATGAAGATCATGGAGATGTCAGCTAAAGGAATCAAACCTGTTACCTTGAACCTTGA
 GGCAAATCTCCACTCATCTTCTCAGACTGTGATGAACAATGCTGTAAAGGGGGCGCTGATGGCCA
 ACTTCTCACACAAGGCCAGGTTTGTGTAATGGCACAAGAGTATTTGTGCAGAAAGAAATCTTGATAA
 ATTTACAGAGGAAGTGGTGAACAGACCCAAAGGATTAATTTGGAGATCCCCTTCTGGAAGATAAAGG
 ATGGGTCCACTCATCAACCGACCACCTGGAGCGAGTCTTGGGTTTGTCAAAGTGGCAAAGGAGCAGG
 GTGCTAAAGTGTATGTGGTGGAGATATATGTACCTGAAGATCCCAAATTAAGGATGGATATACAT
 GAGACCTTGTGATTAATACTAATTGCAGAGACGACATGACCTGTGTGAAGGAAGAGATCTTTGGGCCTGT
 ATGTCCATTTTATCATTGACACTGAAGCTGAGTTCTAGAAAGAGCCAATGATACCACTTTTGGACTAG
 CAGCTGGCGTCTTTACCAGGGACATCCAACGGGCTCATAGAGTGGTAGCTGAGCTTCAAGCTGGGACGTG
 CTTTATTAACAACTATAACGTCAGCCCAGTGGAGTTGCCCTTTGGTGGATATAAGAAGTCAGGATTTGGC
 AGAGAGAACGGCCGTGTGACAATCGAATATTATTCACAGCTGAAGACTGTGTGTGGAGATGGGTGATG
 TGAATCTGCTTTT

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MFLRAGLAALSPLLRLRSPVAAMSTGTFVVSQPLNYRGGARVEPADASGTEKAFEPATGRVIATFTCS
 GEKEVNLAVQNAKAAFKIWSQKSGMERCILLEAARIIREREDEIATMECINNGKSIFEARLDIDISWQC
 LEYYAGLAASMAGEHIQLPGGSFGYTRREPLGVCVIGAWNYPFQIASWKAPALACGNAMVFKPSPFTP
 VSALLLAEIYSEAGVPPGLFNVVQGAATGQFLCQHPDVAKVSFTGSVPPTGMKIMEMSAKIKPVTLELG
 GKSPLIIFSDCMNNAVKGALMANFLTQGVVCCNGTRVVFVQKEILDKFTTEEVVKQTQRIKIGDPLEDTR
 MGPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYMPCVLTNCRDDMTCVKKEIFGPV
 MSILSFDTEAEVLERANDTTFLAAGVFRDIQRAHRVVAELQAGTCFINNYNVPVELPFGGKYSKSGF
 RENGRVTIEYYSQKTKVCEMVDVESAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000696

ORF Size:

1554 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_000696.3</u> , <u>NP_000687.3</u>
RefSeq Size:	2500 bp
RefSeq ORF:	1557 bp
Locus ID:	223
UniProt ID:	<u>P49189</u>
Cytogenetics:	1q24.1
MW:	56.1 kDa