

Product datasheet for **MR208207A1V**

Mouse Aldh7a1 (NM_001127338) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Aldh7a1 (NM_001127338) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldh7a1
Synonyms:	Atq1; D18Wsu181e
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR208207 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTACTCTGCTGATCCATCATCCCCAGTATGCCTGGCTGCAAGACCTGGGGCTCCGCGAGGATAACG
 AGGGCGTGTATAATGGAAGCTGGGGCGGCCGGGAGAGGTAATTACGACCTATTGCTCTGCTAACAATGA
 GCCAATAGCAAGAGTCCGACAGGCCAGCCTGAAGGACTATGAAGAAACCATCGGGAAAGCCAAGAAAGCC
 TGAACATCTGGGAGATATTCTGCCCAAAGCGAGGAGAAATAGTCAGAAAGATTGGCGATGCCTTCC
 GGGAGAAGATTCAACTACTGGGAAGACTGGTGTCTTTGGAGATGGGGAAAATCCTCGTGAAGGAATAGG
 CGAGGTTCCAGGAGTACGTGGACGCTGTGACTATGCTGCTGGCTTGTGAGGATGATCGGGGACCCACC
 TTGCCCTCTGAAAGACCCGGCCATGCTCTCATCGAAATGTGGAATCCCTAGGCTTGGTGGGAATCATCA
 CTGCCCTCAATTTCCCGTGGCTGTGTTGGCTGGAACAATGCCATAGCCCTGATCACAGGGAATGTCTG
 CCTTTGAAAGGAGCACCGACTACGTCCCTCGTTAGTGTGGCTGTCACAAAGATCATAGCCAGGTTTTG
 GAGGACAACTGCTGCCCGTGGCATTGTTCCCTGGTTGTGGTGGAGCAGATATCGGCACAACGATGG
 CCAGAGATGAGCGTGTGAACCTGCTGTCTTCACTGGGAGCACTCAGGTGGGGAAGGAGGTGGCCCTCAT
 GGTGCAGGAGAGGTTTGGGAAAAGCTTGTGGAGCTTGGAGGAAAACAACGCCATTATTGCTTTCGAGGAC
 GCGGACCTCAGCTTGGTTGTTCCATCAGTTCTGTTGCCGCCGTGGGAACAGCTGGGCAAAGGTGTACCA
 CTGTGAGGCGACTGTTTTTGCACGAAAGCATCCATAATGAAGTTGTGGACAGACTGAGAAGTGCCTACTC
 ACAGATCCGTGTGGGAACCCCTGGGACCCCAATCCTCTATGGACCGCTCCATACCAAACAGGCGAGT
 AGCATGTTTGTGAGAGCCGTGGAAGAAGCCAAGAAACAAGGGGACACAGTGGTCTATGGGGCAAGGTCA
 TGGACCACCTGGCAATTACGTGGAACCCACCATTGTGACCGGCTTGGCCATGATCGCCCAATTGTTCA
 CCAGGAGACTTTTGCCTCAATCCTCTATGTCTTCAAATTCAGGATGAAGAAGAGGTCTTTGAATGGAAC
 AATGAAGTAAACAGGGACTTTCAAGTAGTATCTTTACAAAGATTTGGGCAGAATCTTCCGCTGGCTTG
 GACCTAAAGGTTCCGACTGTGGCATCGTGAACGTCAATATTCCTACCAGCGGGGCTGAGATTGGTGGTGC
 GTTTGGCGGAGAGAAGCACACTGGCGGTGGCCGGGAGTCTGGCAGCGACGCTGGAAGCAGTACATGAGG
 AGATCCACATGTACCATCAACTACAGCACGTCCCTCCCTCTGGCTCAGGGAATCAAGTTTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208207 protein sequence
 Red=Cloning site Green=Tags(s)

MSTLLIHHQPQYAWLQDLGLREDNEGVYNGSWGGRGEVITTYCPANNEPIARVRQASLKDYEEETIGKAKKA
 WNIWADIPAPKRGEIVRKIGDAFREKIQLLGRVLSLEMGKILVEGIGEVQEYVDVCDYAAGLSRMIGGPT
 LPSERPGHALIEMWNPLGLVGIITAFNFPVAVFGWNNAIALITGNVCLWKGAPTTSLVSVAVTKIIAQVL
 EDNLLPGAICSLVCGGADIGTMMARDERNLLSFTGSTQVQKEVALMVQERFGKSLLELGGNNAIIAFED
 ADLSLVVPSVLF AAVGTAGQRCTTVRRLFLHESIHNVEVDRLRSAYSQIRVGNPWPDPNIIYGPLHTKQAV
 SMFVRAVEEAKKQGGTVVYGGKVM DHPGNVVEPTIVTGLAHDAPIVHQETFAPILYVFKFQDEEEVF EWN
 NEVKQGLSSSIFTKDLGRIFRWLGPKGSDCGIVNVNIPTSGAEIGGAFGG EKHTGGGREGSDAWKQYMR
 RSTCTINYSTSLPLAQGIKFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_001127338

ORF Size:

1536 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_001127338.1</u> , <u>NP_001120810.1</u>
RefSeq Size:	3105 bp
RefSeq ORF:	1536 bp
Locus ID:	110695
UniProt ID:	<u>Q9DBF1</u>
Cytogenetics:	18 30.55 cM
MW:	55.6 kDa