

Product datasheet for **RC200639A1V**

Human Lipoamide Dehydrogenase (DLD) (NM_000108) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Lipoamide Dehydrogenase (DLD) (NM_000108) AAV Particle
Tag:	Myc-DDK
Symbol:	Lipoamide Dehydrogenase
Synonyms:	DLDD; DLDH; E3; GCSL; LAD; OGDC-E3; PHE3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200639 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGAGCTGGAGTCGTGTACTGCTCCTTGCCAAAGAGAGGCCATTTCAATCGAATATCTCATGGCC
 TACAGGGACTTTCTGCAGTGCCTCTGAGAACTTACGCAGATCAGCCGATTGATGCTGATGTAACAGTTAT
 AGGTTCTGGTCTGGAGGATATGTTGCTGCTATTAAGCTGCCAGTTAGGCTTCAAGACAGTCTGCATT
 GAGAAAAATGAAACACTTGGTGGAACTGCTTGAATGTTGGTTGATTCTTCTAAGGCTTTATTGAACA
 ACTCTCATTATTACCATATGGCCATGGAAAAGATTTTGCATCTAGAGGAATTGAAATGTCCGAAGTTCCG
 CTTGAATTTAGACAAGATGATGGAGCAGAAGAGTACTGCAGTAAAAGCTTTAACAGGTGGAAATGGCCAC
 TTATTCAAACAGAATAAGGTTGTTTCATGTCAATGGATATGAAAGATAACTGGCAAAAAATCAAGTCACTG
 CTACGAAAGCTGATGGCGGCACTCAGGTTATTGATACAAAGAACATTCTATAGCCACGGGTTCCAGAAGT
 TACTCCTTTTCTGGAATCACGATAGATGAAGATACAATAGTGTCTACAGGTGCTTTATCTTTAAAA
 AAAGTTCCAGAAAAGATGGTTGTTATTGGTGCAGGAGTAAAGGTGTAGAATTGGGTTGAGTTTGGCAAA
 GACTTGGTGCAGATGTGACAGCAGTTGAATTTTAGGTCATGTAGGTGGAGTTGGAATTGATATGGAGAT
 ATCTAAAACTTTCAACGCATCCTTCAAAAACAGGGGTTAAATTTAAATTTGAATACAAAGGTTACTGGT
 GCTACCAAGAAGTCAGATGGAAAAATTGATGTTTCTATTGAAGCTGCTTCTGGTGGTAAAGCTGAAGTTA
 TCACCTGTGATGTACTCTGGTTTGCATTGGCCGACGACCTTTACTAAGAAATTTGGGACTAGAAGAGCT
 GGAATTGAAGTAGATCCAGAGGTAGAATCCAGTCAATACCAGATTTCAAATAAAATTTCAAATATC
 TATGCCATTGGTGTAGTGTGCTGGTCCAATGCTGGCTCACAAAGCAGAGGATGAAGGCATTATCTGTG
 TTGAAGGAATGGCTGGTGGTGTGCTGTCACATTGACTACAATTGTGTGCCATCAGTGATTTACACACACC
 TGAAGTTGCTTGGTTGGCAAAATCAGAAGAGCAGTTGAAAGAAGAGGGTATTGAGTACAAAGTTGGGAAA
 TTCCCATTTGCTGCTAACAGCAGAGCTAAGACAATGCTGACACAGATGGCATGGTGAAGATCCTTGGGC
 AGAAATCGACAGACAGAGTACTGGGAGCACATATTCTTGGACCAGGTGCTGGAGAAATGGTAAATGAAGC
 TGCTCTTGGTTTGAATATGGAGCATCCTGTGAAGATATAGCTAGAGTCTGTCATGCACATCCGACCTTA
 TCAGAAGCTTTAGAGAAGCAAATCTTGTGCGTCATTTGGCAAATCAATCACTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200639 protein sequence
 Red=Cloning site Green=Tags(s)

MQSWSRVYCSLAKRGHFNRISHGLQGLSAVPLRXYADQPIDADVTVIGSGPGGYVAAIKAAQLGFKTVCI
 EKNETLGGTCLNVGCIPSKALLNNSHYHMAHGKDFASRGIEMSEVRLNLDKMMEQKSTAVKALTGGIAH
 LFKQNKVVHVNGYVKITGKNQVTATKADGGTQVIDTKNILIATGSEVTPFPGITIDEDTIVSSTGALSLK
 KVPEKMVVIGAGVIGVELGSVQRLGADVTAVEFLGHVGGVGDMEISKNFQRILQKQGFKFLNKTQVTG
 ATKKSDGKIDVSEAAASGGKAIEVITCDVLLVCIARRPFTKNLGLLEELGIELDPRGRIPVNTFRFQTKIPNI
 YAIGDVVAGPMLAHKADEGIICVEGMAGGAVHIDYNCVPSVIYTHPEVAWVGKSEEQLKEEGIEYKVGK
 FPFMAANSRAKTNADTDGMVKILGQKSTDRVLGAHILGPGAGEMVNEAALALEYGASCEDIARVCHAHPTL
 SEAFREANLAASFGKSLNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000108

ORF Size:

1527 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_000108.3</u>
RefSeq Size:	3613 bp
RefSeq ORF:	1530 bp
Locus ID:	1738
UniProt ID:	<u>P09622</u>
Cytogenetics:	7q31.1
MW:	54.2 kDa