

Product datasheet for **RC201095A1V**

Human MDH2 (NM_005918) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MDH2 (NM_005918) AAV Particle
Tag:	Myc-DDK
Symbol:	MDH2
Synonyms:	DEE51; EIEE51; M-MDH; MDH; MGC:3559; MOR1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC201095 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTCTCCGCCCTCGCCCGCCTGTCAGCGCTGCTCTCCGCCGAGCTTCAGCACCTCGGCCAGAACA
ATGCTAAAGTAGCTGTGCTAGGGGCCTCTGGAGGCATCGGGCAGCCACTTTCACCTCTCCTGAAGAACAG
CCCCCTGGTGAGCCGCTGACCTCTATGATATCGCGCACACACCCGGAGTGCCGCAGATCTGAGCCAC
ATCGAGACCAAAGCCGCTGTGAAAGGCTACCTCGGACCTGAACAGCTGCCTGACTGCCTGAAAGGTTGTG
ATGTGGTAGTTATTCCGGCTGGAGTCCCCAGAAAGCCAGGCATGACCCGGGACGACCTGTTCAACACCAA
TGCCACGATTGTGGCCACCCTGACCGCTGCCTGTGCCAGCACTGCCCGGAAGCCATGATCTGCGTCATT
GCCAATCCGGTTAATTCCACCATCCCCATCACAGCAGAAGTTTCAAGAAGCATGGAGTGTACAACCCCA
ACAAAATCTTCGGCGTGACGACCCTGGACATCGTCAGAGCCAACACCTTTGTTGCAGAGCTGAAGGGTTT
GGATCCAGCTCGAGTCAACGTCCCTGTCATTGGTGGCCATGCTGGGAAGACCATCATCCCCCTGATCTCT
CAGTGCACCCCAAGGTGGACTTTCCCCAGGACCAGCTGACAGCACTCACTGGGCGGATCCAGGAGGCCG
GCACGGAGGTGGTCAAGGCTAAAGCCGGAGCAGGCTCTGCCACCCTCTCCATGGCGTATGCCGGCGCCCG
CTTTGTCTTCTCCCTTGTGGATGCAATGAATGAAAGGAAGGTGTTGTGAATGTTCTTCGTTAAGTCA
CAGGAAACGGAATGTACCTACTTCTCCACACCGCTGCTGCTTGGGAAAAAGGCATCGAGAAGAACCTGG
GCATCGGCAAAGTCTCCTCTTTGAGGAGAAGATGATCTCGGATGCCATCCCCGAGCTGAAGGCCTCCAT
CAAGAAGGGGAAGATTCGTGAAGACCCTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC201095 protein sequence Red=Cloning site Green=Tags(s) MLSALARPVSAALRRSFSTSAQNNAKVAVLGASGGIGQPLSLLKNSPLVSRLTLYDIAHTPGVAADLSH IETKAAVKGYLGPEQLPDCLKGCDVVVIPAGVPRKPGMTRDDL FNTNATIVATLTAACAQHCPEAMICVI ANPVNSTIPITAEVFKKHGVYNPNKIFGVTTLDIVRANTFVAELKGLDPARVNPVIGGHAGKTIIP LIS QCTPKVDFPQDQLTALTGRIQEAGTEVVKAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKS QTECTYFSTPLLLGKKGIEKNLGIGKVSSFEEKMISDAIPELKASIKKGEDFVKTLK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005918
ORF Size:	1014 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_005918.2</u>
RefSeq Size:	2268 bp
RefSeq ORF:	1017 bp
Locus ID:	4191
UniProt ID:	<u>P40926</u>
Cytogenetics:	7q11.23
MW:	35.5 kDa