

Product datasheet for **RC200298A1V**

Human MDH1 (NM_005917) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MDH1 (NM_005917) AAV Particle
Tag:	Myc-DDK
Symbol:	MDH1
Synonyms:	DEE88; EIEE88; HEL-S-32; KAR; MDH-s; MDHA; MGC:1375; MOR2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC200298 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGAACCAATCAGAGTCCTTGACTGGAGCAGCTGGTCAAATTGCATATTCAGTCTGTACAGTA
TTGGAAATGGATCTGTCTTTGGTAAAGATCAGCCTATAATTCTTGCTGTTGGATATCACCCCATGAT
GGGTGTCCTGGACGGTGCCTAATGGAAGTCAAGACTGTGCCCTTCCCTCCTGAAAGATGTCATCGCA
ACAGATAAAGAAGACGTTGCCTTCAAAGACCTGGATGTGGCCATTCTTGTTGGGCTCCATGCCAAGAAGGG
AAGGCATGGAGAGAAAAGATTTACTGAAAGCAAATGTGAAAATCTTCAAATCCCAGGGTGCAGCCTTAGA
TAAATACGCCAAGAAGTCAGTTAAGGTTATTGTTGTGGGTAATCCAGCCAATACCAACTGCCTGACTGCT
TCCAAGTCAGCTCCATCCATCCCAAGGAGAACTTCAGTTGCTTGACTCGTTTGATCACAACCGAGCTA
AAGCTCAAATTGCTCTTAACTTGGTGTGACTGCTAATGATGTAAGAATGTCATTATCTGGGAAACCA
TTCCTCGACTCAGTATCCAGATGTCAACCATGCCAAGGTGAAATTGCAAGGAAAGGAAGTTGGTGTAT
GAAGCTCTGAAAGATGACAGCTGGCTCAAGGGAGAAATTTGTCACGACTGTGCAGCAGCGTGGCGTGCTG
TCATCAAGGCTCGAAAATATCCAGTGCCATGTCTGCTGCAAAAGCCATCTGTGACCACGTCAGGGACAT
CTGTTTGAACCCAGAGGGAGAGTTTGTGTCCATGGGTGTTATCTCTGATGGCAACTCCTATGGTGT
CCTGATGATCTGCTCTACTCATTCCCTGTTGTAATCAAGAATAAGACCTGGAAGTTTGTGAAGGTCTCC
CTATTAATGATTTCTACGTGAGAAGATGGATCTTACTGCAAAGGAACTGACAGAAGAAAAGAAAGTGC
TTTTGAATTTCTTCTCTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC200298 protein sequence Red=Cloning site Green=Tags(s) MSEPIRVLVTGAAGQIAYSLLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLMEQLDCALPLLKDVIATDKEDVAFKDLDAAILVGSMPPRREGMERKDLLKANVKIFKSQGAALDKYAKKSVKVIIVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRKAQIALKLGVGTANDVKNVIIWGNHSSSTQYPDYNHAKVKLQGKEVGVEALKDDSWLKGFEVTTVQQRGAIVIKARKLSSAMSAKAICDHVRDIWFGTPEGEFVSMGVISDGNISYGV PDDLISYFPVVIKNKTWKFVEGLPINDFSREKMDLTAKELTEEKESAFEFLSSA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005917
ORF Size:	1002 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:	NM_005917.2
RefSeq Size:	1665 bp
RefSeq ORF:	1005 bp
Locus ID:	4190
UniProt ID:	P40925
Cytogenetics:	2p15
MW:	36.4 kDa