

Product datasheet for **RC200473A1V**

Human GCDH (NM_000159) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	GCDH
Synonyms:	ACAD5; GCD
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence: >RC200473 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCCTGAGAGGCGTCTCCGTGCGGCTGCTGAGCCGCGGACCCGGCCTGCACGTCCTTCGCACGTGGG
TCTCGTCGGCGGCAGACCGAGAAAGCGGGGAGAACACAGAGCCAAGTGGCTAAGTCCTCGCGTCCCGA
GTTTGACTGGCAGGACCCGCTGGTGTGGAGGAGCAGCTGACCACAGATGAGATCCTCATCAGGGACACC
TTCCGCACCTACTGCCAGGAGAGACTCATGCCTCGCATCCTGTTGGCCAATCGCAACGAAGTTTTTCATC
GGGAGATCATTTTCGGAGATGGGGGAGTTGGGTGTGCTGGGCCCCACCATCAAAGGATATGGCTGTGCTGG
GGTTTCGTCTGTGGCCTATGGGCTCCTGGCCGAGAGCTGGAGCGGGTGGACAGTGGCTACAGGTCGGCG
ATGAGTGTCCAGTCTCCCTCGTCATGCACCTATCTATGCCTATGGCAGCGAGGAACAGCGGCAGAAAT
ACCTGCCCCAGCTGGCCAAGGGGGAGCTCCTGGGCTGCTTCGGGCTCACAGAGCCCAACAGCGGAAGTGA
CCCCAGCAGCATGGAGACCAGAGCCCACTACAACCTATCCAACAAGAGCTACACCTCAATGGGACCAAG
ACCTGGATCACGAACCTGCCTATGGCCGATCTGTTTGTAGTGTGGGCTCGGTGTGAAGATGGCTGCATT
GGGGCTTCCTGCTGGAGAAGGGGATGCGGGGTCTCTCGCCCCCAGGATCCAGGGCAAGTTCTCGCTGCG
GGCCTCAGCCACAGGCATGATCATATGGACGGTGTGGAGGTGCCAGAGGAGAATGTCTCCCTGGTGCA
TCCAGCCTGGGGGGTCCCTTCGGCTGCCTGAACAACGCCCGGTACGGCATCGCGTGGGGCGTGCTTGAG
CTTCGGAGTTCTGCTTGACACAGCCCGGCAGTACGCCCTCGACAGGATGCAGTTTGGTGTCCACTGGC
CAGGAACCAAGCTGATTCAGAAGAAGCTGGCAGACATGCTCACTGAGATTACCTGGGCCTTCACGCCTGC
CTGCAGCTCGGCCGCTTGAAGGACAGGACAAGGCTGCCCCGAGATGGTTTCTCTGCTGAAGAGGAATA
ACTGTGGGAAAGCCCTGGACATCGCCCCCAGGCCGAGACATGCTGGGGGGGAATGGGATTTCTGACGA
GTATCAGTGATCCGGCAGCCATGAACCTGGAGGCCGTGAACACCTACGAAGGTACACATGACATTCAC
GCCCTGATCCTTGGGAGAGCTATCACGGGAATCCAGGCGTTCACGCCAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:	>RC200473 protein sequence Red=Cloning site Green=Tags(s) MALRGVSVRLLSRGPGLHVLRTWVSSAAQTEKGGRTQSQLAKSSRPEFDWQDPLVLEEQLTTDEILIRDT FRTYCQERLMPRILLANRNEVFHREIISEMGELGVLGPTIKGYGCAGVSSVAYGLLARELERVDSGYRSA MSVQSSLVMHPIYAYGSEEQRQKYLPLAKGELLGCFGLTEPNSGSDPSSMETRAHYNSSNKSYYTLNGTK TWITNSPMADLFVWARCEDGCIRGFLLEKGMRLSAPRIQKFSLRASATGMIIMDGEVPEENVLPGA SSLGGPFGCLNNARYGIAWVLGASEFCLHTARQYALDRMQFGVPLARNQLIQKKLADMLTEITLGLHAC LQLGRLKDQDKAAPMVSLKRNCGKALDIARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIH ALILGRAITGIQAFTASK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000159
ORF Size:	1314 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_000159.2</u>
RefSeq Size:	1897 bp
RefSeq ORF:	1317 bp
Locus ID:	2639
UniProt ID:	<u>Q92947</u>
Cytogenetics:	19p13.13
MW:	48.1 kDa