

Product datasheet for **RC204149A1V**

Human ETFDH (NM_004453) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ETFDH (NM_004453) AAV Particle
Tag:	Myc-DDK
Symbol:	ETFDH
Synonyms:	ETFQO; MADD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204149 representing NM_004453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCTGGTGCCGCTAGCCAAGCTGTCCTGCCTGGCATATCAGTGCCTTTCATGCCTTAAAAATTAAGAAAA
 ATTATCTACCTCTATGTGCTATAAGATGGTCTTCAACTTCTACTGTGCCTCGAATTACTACCCATTATAC
 TATTTATCCCCGGGATAAGGACAAGAGATGGGAAGGAGTGAACATGGAAGGTTTGCAGAAGAAGCAGAT
 GTTGAATAGTTGGTGCAGGCCCTGCAGGGCTCTCTGCAGCTGTTCTGCTAAAACAGTTGGCTGTGGCAC
 ATGAAAAGGACATCCGTGTGTCTAGTGGAGAAAGCTGCCAGATAGGAGCTCATACTCTCTCAGGGGC
 TTGCCTTGATCCAGGTGCTTTTAAAGAACTCTCCAGACTGGAAGAGAAGGGGCTCCACTTAACACT
 CCTGTAACAGAAGACAGATTTGGAATTTTAAACAGAGAAATACAGAATTCCTGTGCCAATCTTCCAGGGC
 TTCCAATGAATAATCATGGCAATTACATTGTACGCTTGGGACATTTAGTGAGCTGGATGGCGAACAAGC
 AGAAGCCCTTGGTGTGAAGTATACCTGGTTATGCAGCTGCTGAGGTCTTTTTCATGATGATGGTAGT
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 GACTGGAACATACATGCTAAAGTCACAATTTTGCAGAAGGTTGCCATGGACATCTAGCCAAGCAACTATA
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 AGACTATCAGAATCCATACCTGAGTCCATTTAGAGAGTTCAAAGGTGGAACACCATCTAGCATTTCGG
 CCAACCTTGAAGGTGGAAGGATTGCATACGGAGCCAGAGCTCTCAATGAAGGTGGCTTTCAGTCTA
 TACCAAACTCACCTTCTGGTGGTTTACTAATTGGTTGTAGTCTGGTTTATGAATGTTCCCAAGT
 CAAAGGTACTCACACAGCAATGAAAAGTGGAAATTTAGCAGCAGAATCTATTTTAACTCACTAAGT
 GAAAATCTCCAATCAAAGACAATAGGACTCCATGTAAGTGAATATGAGGACAATTTGAAGAACTCATGGG
 TATGGAAGAGCTATATTCTGTTAGAAATATAAGACCGTCTGCCACGGAGTACTGGGTGTATATGGAGG
 GATGATTTACTGGAATCTTTTACTGGATATTGAGAGGAATGGAGCCGTGGACTCTGAAACATAAAGGT
 TCTGACTTTGAACGGCTCAAGCCAGCCAAGGATTGCACACCTATTGAGTATCCAAACCCGATGGACAGA
 TCAGTTTTGACCTCTTGCATCTGTGGCTCTGAGTGGTACTAATCATGAACATGACCAGCCGGCACACTT
 AACCTTAAGGGATGACAGTATACCTGTAATAGAAATCTGTGATATATGATGGGCCGAGCAGCGATTTC
 TGTCTGCAGGAGTTTATGAATTTGACCTGTGGAACAAGGTGATGGATTCGGTTACAGATAAATGCTC
 AGAACTGTGTACATTGTAACATGTGATATTAAGATCCAAGTCAGAATATTAAGTGGGTGGTACCTGA
 AGGTGGAGGAGGACCTGCTTACAATGGAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLVPLAKLSCLAYQCFHALKIKKNYLPLCAIRWSSTSTVPRITHTYIYPRDKDKRWEQVNMERFAEEAD
 VVIVGAGPAGLSAAVRLKQLAVAHEKDIRVCLVEKAAQIGAHTLSGACLDPGAFKELFPDWKEKGAPLNT
 PVTEDRFGILTEKYRIPVPIPLGLPMNNHGNIVRLGHLVSWMGEQAEALGVEVYPGYAAAEVLFHDDGS
 VKGIATNDVGIQKDGAPKATFERGLELHAKVTIFAEGCHGLAKQLYKKFDLRANCEPQTYGIGLKLWV
 IDEKNWKPRVDHTVGWPLDRHTYGGSFYLHNEGEPLVALGLVGLDYQNPYLSPFREFQRWKHHPSIR
 PTLEGGKRIAYGARALNEGGFQSIPLTFPGLLIGCSPGFMMNVPKIKGHTHTAMKSGILAESIFNQLTS
 ENLQSKTIGLHVTEYEDNLKNSWYWKELYSVRNIRPSCHGVLGVYGGMIYTGIFYWILRGMEPWTLKHKG
 SDFERLKPACDCTPIEYPKPDGQISFDLLSSVALSGTNHEHDQPAHLTLRDDSIIPVNRNLSIYDGPEQRF
 CPAGVYEFVPVEQGDGFRQLINAQNCVHCKTCDIKDPSQINWVPEGGGGPAYNGM

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_004453
ORF Size:	1851 bp
Buffer:	PBS with 0.001% Pluronic F5527
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_004453.2, NP_004444.1</u>
RefSeq Size:	2396 bp
RefSeq ORF:	1854 bp
Locus ID:	2110
UniProt ID:	<u>Q16134</u>
Cytogenetics:	4q32.1
MW:	68.5 kDa