

Product datasheet for **RC228372A1V**

Human **NDUFS2 (NM_001166159)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NDUFS2 (NM_001166159) AAV Particle
Tag:	Myc-DDK
Symbol:	NDUFS2
Synonyms:	CI-49; MC1DN6
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC228372 representing NM_001166159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGCTGAGGGCTTTGTGCGGCTTCCGGGGCGTCGCGGCCAGGTGCTGCGGCCTGGGGCTGGAG
 TCCGATTGCCGATTACGCCAGCAGAGGTGTTCCGCGAGTGGCAGCCAGATGTGGAATGGGCACAGCAGTT
 TGGGGGAGCTGTTATGTACCCAAGCAAAGAAACAGCCACTGGAAGCCTCCACCTTGAATGATGTGGAC
 CCTCAAAGGACACAATTGTGAAGAACATTACCTGAACCTTTGGGCCCAACACCCAGCAGCGCATGGTG
 TCCTGCGACTAGTGATGGAATTGAGTGGGGAGATGGTGCAGGAGTGTATCCTACATCGGGCTCCTGCA
 CCGAGGCACTGAGAAGCTCATTGAATACAAGACCTATCTTCAGGCCCTCCATACTTTGACCGGCTAGAC
 TATGTGTCCATGATGTGAACGAACAGGCCTATTCTCTAGCTGTGGAGAAGTTGCTAAACATCCGGCCTC
 CTCTCGGGCACAGTGGATCCGAGTGTGTTTGGAGAAATCACACGTTTGTGAACACATCATGGCTGT
 GACCACACATGCCCTGGACCTTGGGGCCATGACCCCTTCTTCTGGCTGTTTGAAGAAAGGGAGAAGATG
 TTTGAGTTCTACGAGCGAGTGTCTGGAGCCGAATGCATGCTGCTTATATCCGGCCAGGAGGAGTGCACC
 AGGACCTACCCCTTGGGCTTATGGATGACATTTATCAGTTTTCTAAGAACTTCTCTCTCGGCTTGATGA
 GTTGGAGGAGTTGCTGACCAACAATAGGATCTGGCGAAATCGGACAATTGACATTGGGGTTGTAACAGCA
 GAAGAAGCACTTAACATATGGTTTTAGTGGAGTGTGCTTCGGGGCTCAGGCATCCAGTGGGACCTGCGGA
 AGACCCAGCCCTATGATGTTTACGACCAGGTTGAGTTTGTGTTCTGTTGGTTCTCGAGGGGACTGCTA
 TGATAGGTACCTGTGCCGGTGGAGGAGATGCCAGTCCCTGAGAATTATCGCACAGTGTCTAAACAAG
 ATGCCCTCTGGGAGATCAAGGTTGATGATGCCAAAGTGTCTCACCTAAGCGAGCAGAGATGAAGACTT
 CCATGGAGTCACTGATTCACTTTAAGTTGTATACTGAGGGCTACCAAGTTCTCCAGGAGCCACATA
 TACTGCCATTGAGGCTCCCAAGGAGAGTTTGGGGTGTACCTGGTGTCTGATGGCAGCAGCCGCCCTTAT
 CGATGCAAGATCAAGGCTCCTGGTTTTGCCATCTGGCTGGTTTGGACAAGATGTCTAAGGGACACATGT
 TGGCAGATGTCGTTGCCATCATAGGTACGAGGCCTATTGTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228372 representing NM_001166159
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MAALRALCGFRGVAAQVLRPGAGVRLPIQPSRGVRQWQPDVEWAQQFGGAVMYPKETAHWKPPPWNDVD
 PPKDTIVKNITLNFQHPAAHGVRLRLVMELSGEMVRKCDPHIGLLHRGTEKLEIYKTYLQALPYFDRDL
 YVSMCNEQAYSLAVEKLLNIRPPRAQWIRVLFGEITRLLNHIMAVTTHALDLGAMTPFFWLFEEREKM
 FEFYERVSARMHAAYIRPGGVHQLPLGLMDDIYQFSKNFSLRLDELEELLTNNRIWRNRTIDIGVVTA
 EEALNYGFSVMLRGSGIQWDLRKTQPYDVYDQVEFDVPVGSRGDCYDRYLCRVEEMRQSLRIIAQCLNK
 MPPGEIKVDDAKVSPPKRAEMKTSMESLIHFKLYTEGYQVPPGATYTAIEAPKGEFGVYLVSDGSSRPY
 RCKIKAPGFAHLAGLDKMSKGHMLADVVAIIGTRPIV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001166159

ORF Size:

1371 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_001166159.1</u>
RefSeq ORF:	1374 bp
Locus ID:	4720
UniProt ID:	<u>O75306</u>
Cytogenetics:	1q23.3
MW:	51.85 kDa