

Product datasheet for **RC223643A1V**

Human Dystrophia myotonica protein kinase (DMPK) (NM_001081562) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Dystrophia myotonica protein kinase (DMPK) (NM_001081562) AAV Particle
Tag:	Myc-DDK
Symbol:	DMPK
Synonyms:	DM; DM1; DM1PK; DMK; MDPK; MT-PK
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC223643 representing NM_001081562
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGTCAGCCGAGGTGCGGCTGAGGCGGCTCCAGCAGCTGGTGTGGACCGGGCTTCCTGGGGCTGGAGC
 CCCTGCTCGACCTTCTCCTGGGCGTCCACCAGGAGCTGGGCGCCTCCGAACTGGCCAGGACAAGTACGT
 GGCCGACTTCTTGCACTGGGCGGAGCCCATCGTGGTGAAGCTTAAGGAGGTCCGACTGCAGAGGGACGAC
 TTCGAGATTCTGAAGGTGATCGGACGCGGGGCGTTTACGCGAGGTAGCGGTAGTGAAGTGAAGCAGACGG
 GCCAGGTGATGCCATGAAGATCATGAACAAGTGGGACATGCTGAAGAGGGGCGAGGTGTCGTGCTTCCG
 TGAGGAGAGGGACGTGTTGGTGAATGGGACCGCGGTGGATCACGCAGCTGCACTTCGCTTCCAGGAT
 GAGAACTACCTGTACCTGGTATGAGTATTACGTGGGCGGGACCTGCTGACACTGCTGAGCAAGTTTG
 GGGAGCGGATTCGGCCGAGATGGCGGCTTCTACCTGGCGGAGATTGTCATGGCCATAGACTCGGTGCA
 CCGGCTTGGCTACGTGCACAGGGACATCAAACCCGACAACATCCTGCTGGACCGCTGTGGCCACATCCGC
 CTGGCCGACTTCGGCTCTTGCTCAAGCTGCGGGCAGATGGAACGGTGCCTGCTGGTGTGGGCA
 CCCCAGACTACCTGTCCCCGAGATCCTGCAGGCTGTGGGCGGTGGGCTGGGACAGGACGTACGGGCC
 CGAGTGTGACTGGTGGGCGTGGGTGTATTGCTATGAAATGTTCTATGGGACAGCGCCTTCTACGCG
 GATTCCACGGCGGAGACCTATGGCAAGATCGTCCACTACAAGGAGCACCTCTCTGCGGCTGGTGGACG
 AAGGGGTCCCTGAGGAGGCTCGAGACTTCATTACGCGGTTGCTGTGTCCCCGGAGACACGGCTGGGCCG
 GGTGGAGCAGGCGACTTCGGGACACATCCCTTCTTCTTGGCTCGACTGGGATGGTCTCCGGGACAGC
 GTGCCCCCTTTACACCGGATTTCAAGGTGCCACCGACACATGCAACTTCGACTTGGTGAGGACGGGC
 TCACTGCCATGGAGACACTGTGCGGACATTCGGGAAGGTGCGCCGCTAGGGGTCCACCTGCCTTTTGTGG
 CTACTCCTACTCCTGCATGGCCCTCAGGACAGTGAGGTCCAGGCCCCACACCCATGGAACGAGGCGC
 GAGCAGCTGCTTGAGCCACAGTGAAGCGCCAGCCTGGAGCCCTCGGTGTCCCCACAGGATGAAACAG
 CTGAAGTGGCAGTTCAGCGGCTGTCCCTGCGGACAGGCTGAGGCCGAGGTGACGCTGCGGGAGCTCCA
 GGAAGCCCTGGAGGAGGAGGTGCTACCCGGCAGAGCCTGAGCCGGGAGATGGAGGCCATCCGCACGGAC
 AACCAGAACTTCGCCAGTCAACTACGCGAGGACAGGCTCGGAACCGGGACCTAGAGGCACACGTCCGGC
 AGTTGCAGGAGCGGATGGAGTTGCTGCAGGCAGAGGGAGCCACAGCTGTACGGGGGTCCCCAGTCCCCG
 GGCCACGATCCACCTTCCCATATGGCCCCCGGCCGTGGCTGTGGGCCAGTGCCGCTGGTGGGCCAG
 GCCCCATGCACCGCCGACCTGCTGCTCCCTGCCAGGTCCTAGGCCTGGCCTATCGGAGGCGCTTTC
 CCTGCTCCTGTTGCGCGTTGTTCTGTCTCGTGCCGCGCCCTGGGCTGCATTGGGTGGTGGCCACGCC
 GGCCAACTCACCGCAGTCTGGCGCCGCCAGGAGCCGCCGCGCTCCCTGAACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSAEVRLRRLQQLVLDPGFLGLEPLDLLLVGHQELGASELAQDKYVADFLQWAEPIVVRLKEVRLQRDD
 FEILKVIIGRAFSEVAVVVKMKQTGVVYAMKIMNKWMDLKRGEVSCFREERDVLVNGDRRWITQLHFAFQD
 ENLYLVMEYYVGGDLLTLLSKFGERIPAEMARFYLAIEVMAIDSVHRLGYVHRDIKPDNILLDRCGHIR
 LADFGSCLKLADGTVRSLVAVGTPDYLSPILQAVGGPGTGSYGPECDWWALGVFAYEMFYGQTPFYA
 DSTAETYGKIVHYKEHLSLPLVDEGVPEEARDFIQRLLCPPETRLGRGAGDFRTHPFFGLDWDGLRDS
 VPPFTPDFEGATDTCNFDLVEDGLTAMETLSDIREGAPLGVHLPFVGYSYSCMALRDSEVPGTPMELEA
 EQLLEPHVQAPSLEPSVSPQDETAEVAVPAAPAAEAETLRELQEALEEEVLTRQSLSREMEAIRTD
 NQNFASQLREAEARNRDLEAHVRQLQERMELLQAEAGATAVTGVPSPRATDPPSHMAPRPWLWASARWWGQ
 APCTAATCCSLPGSLGLAYRRRFPSCSPLFCLVPPPWAALGWPTPANSPQSGAAQEPALPEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001081562
ORF Size:	1875 bp
Buffer:	PBS with 0.001% Pluronic F8687
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_001081562.1</u>
RefSeq Size:	2873 bp
RefSeq ORF:	1878 bp
Locus ID:	1760
UniProt ID:	<u>Q09013</u>
Cytogenetics:	19q13.32
MW:	69.4 kDa