

Product datasheet for **RC210279A1V**

Human **MARK2 (NM_004954)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MARK2 (NM_004954) AAV Particle
Tag:	Myc-DDK
Symbol:	MARK2
Synonyms:	EMK-1; EMK1; PAR-1; Par-1b; Par1b
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC210279 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCAGCGCTCGGACCCCCCTACCCACGCTGAACGAGAGGGACACGGAGCAGCCACCTTGGGACACC
 TTGACTCCAAGCCCAGCAGTAAGTCCAACATGATTCGGGGCCGCAACTCAGCCACCTCTGCTGATGAGCA
 GCCCCACATTGAAAACCTACCGGCTCCTCAAGACCATTGGCAAGGGTAATTTTGCCAAGGTGAAGTTGGCC
 CGACACATCCTGACTGGGAAAGAGGTAGCTGTGAAGATCATTGACAAGACTCAACTGAACTCCTCCAGCC
 TCCAGAACTATTCCGCGAAGTAAGAATAATGAAGTTTTGAATCATCCAACATAGTTAAATTATTTGA
 AGTGATTGAGACTGAGAAAACGCTCTACCTTGTCATGGAGTACGCTAGTGGCGGAGAGGTATTTGATTAC
 CTAGTGGCTCATGGCAGGATGAAAGAAAAAGAGGCTCGAGCCAAATCCGCCAGATAGTGCTGCTGTGC
 AGTACTGTACCAGAAGTTTATTGTCCATAGAGACTTAAAGGCAGAAAACCTGCTCTTGATGCTGATAT
 GAACATCAAGATTGCAGACTTTGGCTTCAGCAATGAATTCACCTTTGGGAACAAGCTGGACACCTTCTGT
 GGCAGTCCCCCTTATGCTGCCCCAGAACTCTTCCAGGGCAAAAAATATGATGGACCCGAGGTGGATGTGT
 GGAGCCTAGGAGTTATCCTCTATACACTGGTCAGCGGATCCCTGCCTTTTGATGGACAGAACCTCAAGGA
 GCTGCGGGAACGGGTACTGAGGGGAAAAACCGTATTCCATTCTACATGTCCACGGACTGTGAAAACCTG
 CTTAAGAAATTTCTATTCTTAATCCCAGCAAGAGAGGCACCTTTAGAGCAAAATCATGAAAGATCGATGGA
 TGAATGTGGGTACGAAGATGATGAACTAAAGCCTTACGTGGAGCCACTCCCTGACTACAAGGACCCCCG
 GCGGACAGAGCTGATGGTGTCCATGGGTATACACGGGAAGAGATCCAGGACTCGCTGGTGGGCCAGAGA
 TACAACGAGGTGATGGCCACCTATCTGCTCTGGGCTACAAGAGCTCCGAGCTGGAAGGGCAGACCATCA
 CCCTGAAACCCCGGCCTTCAGCTGATCTGACCAATAGCAGCGCCCCATCCCCATCCACAAGGTACAGCG
 CAGCGTGTGGCCCAATCCAAGCAGCGCGCTTCAGCGACCAAGGCTGGTCTGCCATTCCACCTCTAAT
 TCTTACTCTAAGAAGACTCAGAGTAACAACGCAGAAAAAATAGCGGCTGAGGAGGACCGGAGTCAGGGC
 GGAAAGCCAGCAGCACAGCCAAGGTGCTGCCAGCCCCCTGCCGGTCTGGAGAGGAAGAAGACCACCCC
 AACCCCTCCACGAACAGCGTCTCTCCACCAGCACAAATCGAAGCAGGAATTCCCCACTTTTGAGCGG
 GCCAGCTCGGCCAGGCCTCCATCCAGAATGGCAAAGACAGCACAGCCCCCAGCGTGTCCCTGTTGCCT
 CCCCATCCGCCACAACATCAGCAGCAGTGGTGGAGCCCCAGACCGAACTAACTCCCCCGGGTGTGTC
 CAGCCGAAGCACCTTCCATGCTGGGCAGCTCCGACAGGTGCGGGACCAGCAGAATTTGCCCTACGGTGTG
 ACCCCAGCCTCTCCCTCTGGCCACAGCCAGGGCCGGGGGGCCTCTGGGAGCATCTTCAGCAAGTTCA
 CCTCCAAGTTGTACGCAGGAACCTGAATGAACCTGAAAGCAAAGACCGAGTGGAGACGCTCAGACCTCA
 CGTGGTGGCAGTGGCGCAACGACAAAAGAAAGGAAGATTTGGGAGGCCAAGCCCCGCTCCCTCCGC
 TTCACGTGGAGTATGAAGACCAGAGCTCCATGGAGCCCAACGAGATGATGCGGGAGATCCGCAAGGTGC
 TGGACGCGAACAGCTGCCAGAGCGAGCTGCATGAGAAGTACATGCTGCTGTGCATGCACGGCAGCCGGG
 CCACGAGGACTTCGTGCAGTGGGAGATGGAGGTGTGCAAACCTGCCGCGGCTCTCTCAACGGGGTTTGA
 TTTAAGCGGATATCGGGCACCTCCATGGCCTTCAAAAACATTGCCTCCAAATAGCCAACGAGCTGAAGC
 TT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC210279 protein sequence Red=Cloning site Green=Tags(s) MSSARTPLPTLNERDTEQPTLGHLDSPSSKSNMIRGRNSATSADQPHIGNYRLKKTIGKGNFAKVCLA RHILTGKEVAVKIIDKTQLNSSLQKLFREVRIMKVLNHPNIVKLFEVIETEKTLYLMEYASGGEVFDY LVAHGRMKEKEARAKFRQIVSAVQYCHQKFIVHRDLKAENLLDADMNIKIADFGFSNEFTFGNKLDTCF GSPPYAAPELFQGGKYDGPEVDVWSLGVILYTLVSGSLPFDGQNLKELRERVLRGKYRIPFYMSTDCENL LKKFLILNPSKRGTLEQIMKDRWMNVGHEDDELKPYVEPLPDYKDPRTLMVSMGYTREEIQDSL VGQR YNEVMATYLLLGYSSELEGDTITLKPRPSADLTNSSAPSPSHKVQRSVSANPKQRRFSDQAGPAIPTSN SYSKKTQSNNAENKRPEEDRESGRKASSTAKVPASPLPGLERKKTTPSTNSVLSTSTNRSRNSPLLER ASLGQASIQNGKDSTAPQRPVSPSAHNISSSGGAPDRTNFRGVSSRSTFHAGQLRQVRDQQLPYGV TPASPSGHSQGRRGASGSIFSFTSKFVRRNLNEPESKDRVETLRPHVVGSGGNDKEEFREAKPRSLR FTWSMKTTSMEPNEMMREIRKVL DANSCQSELHEKYMLLCMHGTPGHEDFVQWEMEVCCKLPRLSLNGVR FKRISGTSMAFKNIASKIANELKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004954
ORF Size:	2172 bp
Buffer:	PBS with 0.001% Pluronic F6564
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_004954.3</u>
RefSeq Size:	4556 bp
RefSeq ORF:	2175 bp
Locus ID:	2011
UniProt ID:	<u>Q7KZI7</u>
Cytogenetics:	11q13.1
MW:	81.2 kDa