

Product datasheet for **RC204839A1V**

Human Carbonic Anhydrase IX (CA9) (NM_001216) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Carbonic Anhydrase IX (CA9) (NM_001216) AAV Particle
Tag:	Myc-DDK
Symbol:	Carbonic Anhydrase IX
Synonyms:	CAIX; MN
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204839 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTCCCCTGTGCCCCAGCCCCTGGCTCCCTCTGTTGATCCCGGCCCTGCTCCAGGCCCTCACTGTGC
 AACTGCTGCTGCTCACTGCTGCTTCTGATGCCTGTCCATCCCCAGAGGTTGCCCGGATGCAGGAGGATTC
 CCCCTTGGGAGGAGGCTCTTCTGGGGAAGATGACCCACTGGGCGAGGAGGATCTGCCAGTGAAGAGGAT
 TCACCCAGAGAGGAGGATCCACCCGAGAGGAGGATCTACCTGGAGAGGAGGATCTACCTGGAGAGGAGG
 ATCTACCTGAAGTTAAGCCTAAATCAGAAGAAGAGGGCTCCCTGAAGTTAGAGGATCTACCTACTGTTGA
 GGCTCTGGAGATCCTCAAGAACCCAGAATAATGCCACAGGGACAAAGAAGGGGATGACCAGAGTCAT
 TGGCGCTATGGAGGCGACCCGCCCTGGCCCGGGTGTCCCAGCCTGCGCGGGCCGCTTCCAGTCCCGG
 TGGATATCCGCCCCAGCTCGCCGCCTTCTGCCCGGCCCTGCGCCCCCTGGAACCTCTGGGCTTCCAGCT
 CCCGCCCTCCAGAAGTGCCTGCGCAACAATGGCCACAGTGTGCAACTGACCCTGCCTCCTGGGCTA
 GAGATGGCTCTGGGTCCCGGGCGGGAGTACCGGGCTCTGCAGCTGCATCTGCACTGGGGGGCTGCAGGTC
 GTCCGGGCTCGGAGCACACTGTGGAAGGCCACCGTTTCCCTGCCGAGATCCACGTGGTTACCTCAGCAC
 CGCCTTTGCCAGAGTTGACGAGGCCTTGGGGCGCCCGGAGGCCTGGCCGTGTTGGCCGCTTTCTGGAG
 GAGGGCCCGGAAGAAAACAGTGCCTATGAGCAGTTGCTGTCTCGCTTGAAGAAATCGTGAGGAAGGCT
 CAGAGACTCAGTCCCAGGACTGGACATATCTGCACCTCTGCCCTCTGACTTCAGCCGCTACTTCCAATA
 TGAGGGGTCTCTGACTACACGCCCTGTGCCAGGGTGTATCTGGACTGTGTTTAACAGACAGTGATG
 CTGAGTGCTAAGCAGCTCCACACCCTCTCTGACACCCTGTGGGACCTGGTACTCTCGGCTACAGCTGA
 ACTTCCGAGCGACGACGCTTTGAATGGGCGAGTGATTGAGGCCTCCTTCCCTGCTGGAGTGACAGCAG
 TCCTCGGGCTGCTGAGCCAGTCCAGCTGAATTCCTGCCTGGCTGCTGGTGACATCCTAGCCCTGGTTTTT
 GGCCTCCTTTTTGCTGTCAACAGCGTCGCTTCTTGTGCAGATGAGAAGGCAGCACAGAAGGGGAACCA
 AAGGGGTGTGAGCTACCGCCAGCAGAGGTAGCCGAGACTGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204839 protein sequence
 Red=Cloning site Green=Tags(s)

MAPLCSPWLP LLIPAPAGLTVQLLLSLLLMPVHPQRLPRMQEDSPLGGSSGEDDPLGEEDLPSEED
 SPREDPPGEEDLPGEEDLPGEEDLPEVKPKSEEEGSLKLEDLPTVEAPGDPQEPQNNHRDKEGDDQSH
 WRYGGDPPWPRVSPACAGRFQSPVDIRPQLAFCPALRPLELLGFQLPPLPELRLRNNGHSVQLTLPPGL
 EMALPGREYRALQLHLHWGAAGRPGEHTVEGHRFPAEIHVVHLSTAFARVDEALGRPGLAVLAFLF
 EGPEENSAYEQLLSRLEEIAEEGSETQVPGLDISALLPSDFSRYFYQEGSLTTPPCAQGVIVTFNQTM
 LSAKQLHTLSDTLWGPDSRLQLNFRATQPLNGRVIEASFPAGVDSSPRAAEPVQLNSCLAAGDILALVF
 GLLFAVTSVAFLVQMRQHRRTKGGVSYPRAEVAETGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001216

ORF Size:

1377 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_001216.1, NP_001207.1</u>
RefSeq Size:	1561 bp
RefSeq ORF:	1380 bp
Locus ID:	768
UniProt ID:	<u>Q16790</u>
Cytogenetics:	9p13.3
MW:	49.7 kDa