

Product datasheet for **RC212196A1V**

Human CRAT (NM_000755) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CRAT (NM_000755) AAV Particle
Tag:	Myc-DDK
Symbol:	CRAT
Synonyms:	CAT; CAT1; NBIA8
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC212196 representing NM_000755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAGCCTTCGCTGCCAGGACCGTGGTGAAGCCTCTGGGCTTCTGAAGCCCTTCTCCTTGATGAAGG
 CTTCCAGCCGCTTCAAGGCACACCAGGATGCACTGCCACGGCTGCCCGTGCCCTCTCCAGCAGTCCCT
 GGACCACTACCTGAAGGCGCTGCAGCCCATCGTGAAGGAGGAGTGGGCCACACCAAGCAGCTGGTG
 GATGAGTTTCAGGCTCAGGAGGTGTAGGGGAGCGCTGCAGAAGGGGCTGGAGCGTCGGGCCAGGAAGA
 CGGAGAACTGGCTGTCTGAGTGGTGGCTCAAGACCGCTACCTCCAGTACCGCCAGCCTGTGGTCATCTA
 CTCGAGCCAGGCGTGATGCTACCAAGCAGGACTTCGTGGACCTGCAGGGTCAGCTCCGATTTGCTGCC
 AAATCATTGAGGGTGTGTTGGATTTCAAGGTCATGATTGACAACGAGACCTGCCCGTGGAGTACCTGG
 GGGGAAGCCACTGTGCATGAACCACTACTATCAGATCTTGTCTCTGCCGAGTGCCGGGCCCAAGCA
 GGACACAGTCAGCAATTCAGCAAGACCAAGAAGCCTCCACGCACATCACCGTGTACACAACCTACCAG
 TTTTTGAGCTGGATGTGTACCACAGTGACGGGACACCCCTCACTGCGGATCAGATCTTTGTGCAGCTGG
 AGAAGATCTGGAATCATCCCTACAGACCAACAAGGAGCCTGTGGGCATCCTCACCTCCAACACCGCAA
 CTCCTGGGCCAAGGCATACAACACCCCTCATCAAGACAAGGTGAACCGGGATTCCGTGCGCTCCATCCAG
 AAGAGCATCTTACCCTGTGCCTAGATGCAACCATGCCAGGGTCTCAGAAGACGTGTACCGCAGCCACG
 TGGCAGGCCAGATGCTGCATGGGGGCGGCAGCAGGCTCAACAGCGGCAACCGCTGGTTCGACAAGACGCT
 GCAGTTTCATCGTGGCAAAAGATGGCTCCTGTGGCTTGTGTACGAGCATGCTGCAGCGGAGGGGCCCCCT
 ATTGTCAACCTTCTGGACTATGTCATCGAGTACACGAAGAAACCGAGCTTGTGCGGTCTCCCATGGTGC
 CCCTGCCCATGCCAAGAAGCTGCGGTTCAACATCACCCCGAGATCAAGAGCGACATCGAGAAGGCCAA
 GCAGAACCTCAGCATCATGATCCAGGACCTGGATATCACCGTGATGGTGTTCACCATTTTGAAAAAGAC
 TTCCCCAAGTCGAGAAGCTAAGCCAGATGCCTTCATCCAGATGGCTTTCAGCTGGCCTACTACAGGA
 TCTACGGACAGGCATGTGCCACCTATGAAAGTGCCTCCCTGCGCATGTTTCACCTGGGCCGACCGACAC
 CATCCGCTCGGCTTCCATGGACTCACTACCTTTGTCAAGGCCATGGATGACTCCAGCGTCACGGAGCAC
 CAGAAGGTGGAGCTGCTGCGGAAGGCCGTGCAGGCCACCGAGGCTACACCGACCGGGCCATCCGCGGG
 AGGCCTTTGATCGACACCTGCTGGGCTGAAGCTGCAGGCCATCGAGGACCTGGTGAAGCATGCCGACAT
 CTTTCATGGACACCTCTACGCCATCGCCATGCACTTCCACCTCTCCACCGCCAGGTCCCTGCCAAGACA
 GACTGTGTCTGTTCTTCGGGCCCGTGGTCCCCGACGGCTACGGTGTCTGCTATAACCCCATGGAGGCC
 ACATCAACTTCTCCCTGTGCGCCTACAACAGCTGCGCGGAGACCAACGCCGCCCGCTGGCGCATTACCT
 GGAGAAGGCGCTCCTGGACATGCGTGCCCTGCTGCAGAGCCACCCCGGGCCAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLAFAARTVVKPLGFLKPFSLMKASSRFKAHQDALPRLVPVPLQQSLDHYLKALQPIVSEEEWAHTKQLV
 DEFQASGGVGERLQKGLERRARKTENWLSEWLKTAYLQYRQPVIYSSPGVMPLPKQDFVDLQGQLRFAA
 KLIEGVLDKVMIDNETLPVEYLGKPLCMNQYQILSSCRVPGPKQDTSNFSKTKKPPHTITVVHNYQ
 FFELDVYHSDGTPLTADQIFVQLEKIWNSSLQTNKEPVGILTSNHRNSWAKAYNTLIKDKVNRDSVRSIQ
 KSIFTVCLDATMPRVSEDVYRSHVAGQMLHGGGSRNLSGNRWFDTLQFIVAKDGCGLVYEHAEEGPP
 IVTLDDYVIEYTKKPELVRSMPVPLPMPKKLRFNITPEIKSDIEKAKQNLSIMIQDLITVMVFHHFGKD
 FPKSEKLSFDAFIQMALQLAYYRIYQGACATYESASLRMFHLGRDITRSASMDSLTFVKAMDDSSVTEH
 QKVELLRKAVQAHRGYTDRAIRGEAFDRHLLGLKLQAIEDLVMPDIFMDTSYAIAMHFLSTSQVPAKT
 DCMVFFGPVVPDGYGVCYNPMEAHINFSLSAYNSCAETNAARLAHYLEKALLDMRALLQSHPRAKL*

TRTRP**LEQKLISEEDLA**AND**ILDYKDDDDKV**

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000755
ORF Size:	1878 bp
Buffer:	PBS with 0.001% Pluronic F6846
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_000755.2</u>
RefSeq Size:	2804 bp
RefSeq ORF:	1881 bp
Locus ID:	1384
Cytogenetics:	9q34.11
MW:	70.87 kDa