

Product datasheet for **RC207870A1V**

Human BMAL1 (ARNTL) (NM_001178) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human BMAL1 (ARNTL) (NM_001178) AAV Particle
Tag:	Myc-DDK
Symbol:	ARNTL
Synonyms:	bHLHe5; BMAL1; BMAL1c; JAP3; MOP3; PASD3; TIC
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC207870 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGACCAGAGAATGGACATTTCTCAACCATCAGTGATTTTCATGTCCCGGGCCCCACCGACCTGC
 TTTCCAGCTCTCTTGGTACCAAGTGGTGTGGATTGCAACCGCAAACGAAAGGCAGCTCCACTGACTACCA
 AGAAAGCATGGACACAGACAAAGATGACCTCATGGAAGGTTAGAATATACAGAACACCAAGGAAGGATA
 AAAAAATGCAAGGGAAGCTCACAGTCAGATTGAAAAGCGGCGTCGGGATAAAATGAACAGTTTTATAGATG
 AATTGGCTTCTTGGTACCAACATGCAACGCAATGTCCAGGAAATTAGATAAACTTACTGTGCTAAGGAT
 GGCTGTTGAGCAGATGAAACATTAAGAGGTGCCCAATCCATACAGAAAGCAAACTACAAACCAACT
 TTTCTATCAGACGATGAATTGAAACACCTATTCTCAGGCAGCAGATGGATTTTTGTTGTCGTTAGGAT
 GTGACCGAGGGAAGATACTCTTGTCTCAGAGTCTGTCTTCAAGATCCTCAACTACAGCCAGAATGATCT
 GATTGGTCAGAGTTTGTGTTGACTACCTGCATCCTAAAGATATTGCCAAAGTCAAGGAGCAGCTCTCTCC
 TCTGACACCGCACCCCGGGAGCGGCTCATAGATGCAAAAACTGGACTTCCAGTTAAAACAGATATAACCC
 CTGGGCCATCTCGATTATGTTCTGGAGCACGACGTTCTTTCTTCTGTAGGATGAAGTGTAAACAGGCCTTC
 AGTAAAGGTTGAAGACAAGGACTTCCCCTCTACCTGCTCAAAGAAAAAGATCGAAAAAGCTTCTGCACA
 ATCCACAGCACAGGCTATTTGAAAAGCTGGCCACCCACAAAGATGGGGCTGGATGAAGACAACGAACAG
 ACAATGAGGGGTGAACCTCAGTGCCTCGTCGCAATTGGACGACTGCATTCTCATGTAGTTCCACAACC
 AGTGAACGGGGAAATCAGGGTGAAATCTATGGAATATGTTTCTCGGCACGCGATAGATGGAAAGTTTGT
 TTTGTAGACCAGAGGGCAACAGCTATTTTGGCATTTTACCACAAGAACTTCTAGGCACATCGTGTATG
 AATATTTTACCAAGATGACATAGGACATCTTGCAAGTGTATAGGCAAGTTTACAGACGAGAGAAAA
 AATTACAATAATTGCTATAAAATTTAAATCAAAGATGGTTCTTTTATCACACTACGGAGTCGATGGTTC
 AGTTTCATGAACCCTTGACCAAGGAAGTAGAATATATTGTCTCAACTAACACTGTTGTTTTAGCCAACG
 TCCTGGAAGGCGGGGACCAACCTTCCACAGCTCACAGCATCCCCCACAGCATGGACAGCATGCTGCC
 CTCTGGAGAAGGTGGCCCAAAGAGGACCCACCCACTGTTCCAGGGATTCCAGGGGGAACCCGGGCTGGG
 GCAGGAAAAATAGGCCGAATGATTGCTGAGGAAATCATGGAAATCCACAGGATAAGAGGGTCATCGCCTT
 CTAGCTGTGGCTCCAGCCATTGAACATCACGAGTACGCTCCCCCTGATGCCTCTTCTCCAGGAGGCAA
 GAAGATTTTAAATGGAGGACTCCAGACATTCTTCCAGTGGCCTACTATCAGGCCAGGCTCAGGAGAAC
 CCAGGTTATCCATATTCTGATAGTTCTTCTATTCTTGGTGAGAACCCACATAGGTATAGACATGATTG
 ACAACGACCAAGGATCAAGTAGTCCAGTAATGATGAGGCAGCAATGGCTGTATCATGAGCCTCTTGA
 AGCAGATGCTGGACTGGGTGGCCCTGTTGACTTTAGTGACTTGCCATGGCCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207870 protein sequence
 Red=Cloning site Green=Tags(s)

MADQRMDISSTISDFMSPGPTDLLSSSLGTSVDCNRKRKGSSTDYQESMDTDKDDPHGRLEYTEHQGRI
 KNAREHSQIEKRRRDKMNSFIDELASLVPTCNAMSRKLDKLTVLRMAVQHMKTLRGATNPYTEANYKPT
 FLSDDELKHLILRAADGFLFVVGCDRGKILFVSESVFILNYSQNDLIGQSLFDYLHPKDIKVKELSS
 SDTAPRERLIDAKTGLPVKTDITPGPSRLCSGARRSFFCRMKCNRPVKVEDKDFPSTCSKKKDRKSFCT
 IHSTGYLKSWPPTKMGLDEDNEPDNEGCNLSCLVAIGRLHSHVVPQPVNGEIRVKSMEYVSRHAIDGKFV
 FVDQRATAILAYLPQELLGTSCYEYFHQDDIGHLAECRQVLQTREKITTNCYKFKIKDGSFITLRSRWF
 SFMNPWTKEVEYIVSTNTVVLANVLEGGDPTFPQLTASPHSMDSMLPSGEGGPKRTHPTVPGIPGGTRAG
 AGKIGRMIAEEIMEIHRIGSSPSSCGSSPLNITSTPPPDASSPGGKKILNGGTPDIPSSGLLSGQAQEN
 PGYPYSDSSSILGENPHIGIDMIDNDQGSSSPSNDEAMAVIMSLLEADAGLGGPVDFSDLPWPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001178
ORF Size:	1875 bp
Buffer:	PBS with 0.001% Pluronic F6144
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_001178.4</u>
RefSeq Size:	2863 bp
RefSeq ORF:	1878 bp
Locus ID:	406
UniProt ID:	<u>O00327</u>
Cytogenetics:	11p15.3
MW:	68.7 kDa