

Product datasheet for **MR209553A1V**

Mouse Arntl (NM_007489) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Arntl (NM_007489) AAV Particle
Tag:	Myc-DDK
Symbol:	Arntl
Synonyms:	Arnt3; bHLHe5; Bmal1; BMAL1b; bmal1b'; MOP3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR209553 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGCGGACCAGAGAATGGACATTTCTCAACCATCAGCGACTTCATGTCTCCGGGCCCCACCGACCTAC
TCTCCGGTTCCTGGGCACCAAGTGGTGTGGACTGCAATCGCAAGAGGAAAGGCATGCCACTGACTACCA
AGAAAGTATGGACACAGACAAAGATGACCCTCATGGAAGGTTAGAATATGCAGAACACCAAGGAAGGATC
AAGAATGCAAGGGAGGCCACAGTCAGATTGAAAAGAGGCGTCGGGACAAAATGAACAGTTTCATTGATG
AATTGGCTTCTTTGGTACCAACATGCAATGCAATGTCCAGGAAGTTAGATAAACTACCGTGCTAAGGAT
GGCTGTTGAGCAGATGAAAACCTTTGAGAGGTGCCACCAACCCATACACAGAAGCAAACTACAAGCCAACA
TTTCTATCAGATGACGAAGTAAACACCTAATTCTCAGGGCAGCAGATGGATTTTGTGTCGTTAGGAT
GTGACCGAGGGAAGATCCTCTTTGTCTCCGAGTCTGTCTTCAAGATCCTCAATTATAGCCAGAATGACCT
TATTGGCCAGAGCTTGTGTTGACTACCTGCATCCAAAAGATATTGCCAAAGTTAAGGAACAGCTATCTTCC
TCGGACACTGCGCCCCGGGAGCGACTCATTGATGCCAAGACTGGACTTCCGGTTAAAACGGATATAACCC
CTGGGCCCTCCCGGCTATGCTCTGGAGCCCCGCCCTCTTTCTTGTAGAAATGAAGTGCAACAGGCCTTC
AGTAAAGTGGAAGATAAGGACTTCGCCTCTACCTGTTCAAAGAAAAAGCAGATCGAAAAAGCTTCTGC
ACAATCCACAGCACAGGCTATTTGAAAAGCTGGCCACCCACGAAGATGGGGCTGGACGAAGACAATGAGC
CAGACAACGAGGGCTGCAACCTCAGCTGCCTCGTTGCAATCGGGCGCTGCACTCGCACATGGTTCACA
ACCAGCGAACGGGAAATACGGGTGAAATCTATGGAGTACGTTTCTCGACACGCAATAGATGGGAAATTT
GTTTTGTAGATCAGAGGGCAGAGCTATTTGGCGTATCTACCACAGGAATCTAGGTACATCATGTT
ATGAGTATTTTCATCAAGACGACATAGGACACCTCGCAGAAATGTCACAGGCAAGTTTACAGACAAGAGA
AAAGATCACAACTAATTGCTATAAGTTTAAGATCAAAGATGGTTCTTTTATCACGCTACGAAGTCGATGG
TTCAGTTTCATGAACCCGTGGACCAAGGAAGTTGAATACATTGTCTCAACCAACACTGTTGTTTTAGCCA
ATGTCTGGAAGGCGGGGACCAACCTTCCCGCAGCTAACAGCACCCCCCACAGCATGGACAGCATGCT
GCCCTCTGGAGAAGGTGGCCCAAAGAGGACTCATCCACTGTCCAGGCATTCCAGGGGGAACAGAGCC
GGAGCAGGAAAAATAGGTGCAATGATCGCGAGGAAATCATGGAATCCACAGGATAAGAGGGTCATCGC
CTTCCAGCTGTGGCTCCAGCCCCTGAACATCACAAAGTACGCTCCCCCTGATGCCTCTTCTCCAGGAGG
CAAGAAGATTCTAAATGGAGGGACTCCAGACATTCCTTCACTGGACTATTACCAGGGCAGGCTCAGGAG
ACCCAGGGTATCCCTATTCTGATAGTTCTTCTATTCTTGGTGAGAACCCACATAGGCATCGATATGA
TAGATAACGACCAAGGATCAAGTAGTCCAGTAACGATGAGGCAGCAATGGCTGTCATCATGAGCCTCTT
GGAAGCAGATGCGGGGCTGGGTGGCCCCGTTGACTTTAGTGACTTGCCATGGCCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209553 protein sequence

Red=Cloning site Green=Tags(s)

 MADQRMDISSTISDFMSPGPTDLLSGSLGTSVDCNRKRKGSATDYQESMDTDKDDPHGRLEYAEHQGRI
KNAREHSQIEKRRRDKMNSFIDELASLVPTCNAMSRKLDKLTVLRAVQHMKTLRGATNPYTEANYKPT
FLSDDELKHLILRAADGFLFVVGCDRGKILFVSESVFILNYSQNDLIGQSLFDYLHPKDIKVKELSS
SDTAPRERLIDAKTGLPVKTDITPGPSRLCSGARRSFFCRMKCNRPVKVEDKDFASTCSKKKADRKSFC
TIHSTGYLKSPPPTKMGLDEDNEPDNEGCNLSCLVAIGRLHSHMVPQPANGAIRVKSMEYVSRHAIDGKF
VFVDQRATAILAYLPQELLGTSCYEYFHQDDIGHLAECHRQVLQTREKITTNCYKFKIKDGSFITLRSRW
FSFMNPWTKEVEYIVSTNTVVLANVLEGGDPTFPQLTAPPHSMDSMLPSGEGGPKRTHPTVPPIPGGTRA
GAGKIGRMIAEEIMEIHRIGSSPSSGSSPLNITSTPPDASSPGGKKILNNGTDPDIPSTGLLPQAQE
TPGYPSDSSSILGENPHIGIDMIDNDQGSSSPSNDEAAMAVIMSLLEADAGLGGPVDFSDLPWPL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:	AAV-2
ACCN:	NM_007489
ORF Size:	1878 bp
Buffer:	PBS with 0.001% Pluronic F658
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_007489.3</u>
RefSeq Size:	2921 bp
RefSeq ORF:	1881 bp
Locus ID:	11865
UniProt ID:	<u>Q9WTL8</u>
Cytogenetics:	7 59.17 cM
MW:	68.7 kDa