

## Product datasheet for **MR229689A1V**

### Mouse Arc (NM\_001276684) AAV Particle

#### Product data:

|                |                              |
|----------------|------------------------------|
| Product Type:  | AAV Particles                |
| Tag:           | Myc-DDK                      |
| Symbol:        | Arc                          |
| Synonyms:      | Arc3.l; arg3.l; C86064; mArc |
| Mammalian Cell | None                         |
| Selection:     |                              |
| Vector:        | pAAV-AC-Myc-DDK (PS100089)   |

**ORF Nucleotide Sequence:** >MR229689 representing NM\_001276684  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGAGCTGGACCATATGACCACCGCGGCTCCACGCCTACCCTGCCCCGCGGGTGGGCCGGCCGCA  
AACCCAATGTGATCCTGCAGATTGGTAAGTGCCGAGCTGAGATGCTGGAACACGTACGGAGGACCCACCG  
GCATCTGTTGACCGAAGTGTCCAAGCAGGTGGAGCGAGAGCTGAAAGGGTTGCACAGGTCGGTGGGCAAG  
CTGGAGAACAACCTTGGACGGCTACGTGCCCACCGCGACTCACAGCGCTGGAAGAAGTCCATCAAGGCCT  
GTCTTTGCCGCTGCCAGGAGACCATCGCCAACCTGGAGCGCTGGGTCAAGCGTGAGATGCACGTGTGGAG  
GGAGGTCTTCTACCGTCTGGAGAGGTGGGTGACCGCCTGGAGTCCATGGCGGCAATACCCAGTGGGC  
AGCGAGCCGGCCCCCACAACCTGTCTGTAGGTGTGGGGGTCCAGAGCCCTACTGCCAGGAAGCTGATG  
GCTATGACTATACCGTTAGCCCTATGCCATCACCCCGCCACCTGCCGAGGAGAACTGCCTGAACAGGA  
GTCAGTTGAGGCTCAGCAATATCAGTCTTGGGGCCAGGTGAGGATGGGCAACCGAGCCCTGGTGTGGAT  
ACACAGATCTTCGAGGACCCACGGAGTTCCTGAGCCACCTGGAAGAGTACCTGCGGCAGGTGGGTGGCT  
CTGAAGAAATATTGGCTGTCCCAGATCCAGAACCACATGAATGGGCCAGCCAAGAAGTGGTGGGAGTTCAA  
GCAGGGCTCGGTGAAGAACTGGGTGGAGTTCAAGAAGGAGTTTCTGCAATACAGTGAGGGTACACTCTCC  
CGTGAAGCCATTACGCGGGAGCTGGAGCTGCCGAGAAGCAGGGTGAACCACTCGACCAAGTTCCTCTGCG  
GCAAGCGGGACCTGTACCAGACACTGTATGTGGACGCTGAGGAGGAGGAGATCATTAGTATGTGGTGGG  
CACCTGACAGCCAAACTCAAGCGCTTCTGCGCCACCCACTCCCAAGACCCTGGAGCAGCTTATCCAG  
AGGGGTATGGAAGTGCAGGACGGCTGGAGCAGGACGTGAGCCTTCTGCGACCCACTGCCACAGAGG  
ATGAGACGGAGGCACTCACACCTGCTCTTACCAGCGAGTCAGTAGCCAGTGACAGGACCCAGCCTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR229689 representing NM_001276684</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MELDHMTTGLHAYPAPRGGPAAKPNVILQIGKCRAEMLEHVRRTHRHLLTEVSKQVERELKGLHRSVGK<br/> LENNLDGYVPTGDSQRWKKSIKACLRCQETIANLERWVKREMHVWREVFYRLERWADRLESMGGKYPVG<br/> SEPARHTVSVGVGGPEPYCQEADGYDYTVSPYAITPPPAAGELPEQESVEAQQYQSWGPGEDGQPSPGVD<br/> TQIFEDPREFLSHLEEYLRQVGGSEEWLSQIQNHMNGPAKKWWEFKQGSVKNWVEFKKEFLQYSEGTL<br/> REAIQRELELPQKQGEPLDQFLWRKRDLYQTLVYDAEEEEIIQYVVGTLQPKLKRFLRHPLPKTLEQLIQ<br/> RGMEVQDGLAQAAEPSGTPLPTEDETEALTPALTSESVASDRTQPE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ACCN:</b>             | NM_001276684                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ORF Size:</b>         | 1188 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability:</b>        | 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.                                                                                              |
| <b>RefSeq:</b>           | <u>NM_001276684.1</u> , <u>NP_001263613.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 3056 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq ORF:</b>       | 1191 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>         | 11838                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID:</b>       | <u>Q9WV31</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>     | 15 34.25 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MW:</b>               | 45.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |