

## Product datasheet for **MR223843A1V**

### Mouse Cdc14a (NM\_001080818) AAV Particle

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | AAV Particles                            |
| Product Name:             | Mouse Cdc14a (NM_001080818) AAV Particle |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Cdc14a                                   |
| Synonyms:                 | A830059A17Rik; Cdc14; CDC14a1; CDC14A2   |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)               |



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**ORF Nucleotide Sequence:**

>MR223843 representing NM\_001080818  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCAGCGGAGTCTGGGGAACATAATCGGGGCTTGCAGTTCATGAAAGATCGATTATATTTTGCTACTT  
 TAAGGAATAGACCAAAAAGCACATAAATATCCACTATTTCTCCATCGACGAGGAGCTGGTCTATGAAAA  
 TTTCTATGCAGATTTTGACCTCTGAACTTGGCAATGGGTACAGATACTGCTGTAAGCTAAACAAGAAA  
 CTAATCATACAGTTTATCAAGAAAGAAGATAGTGCCTACACCTCTTCGACCAGCGGAAAAGAGCAA  
 ACGCAGCATTCTGATAGGTGCTTATGCCGTCATCTACTTAAAGAAGACACCAGAAGAAGCGTACAGAGC  
 TCTCTGTCTGGCTCAAACCTCCTTATCTCCATTGAGGATGCATCTTTGGAAGTGCCTTACAAC  
 CTCACCGTCTGACTGTTTACAAGGAATCAGAAAGGATTACAGCATGGGTTTTTGTGTTGAGACGT  
 TTGATGCGGAAGAATATGAACATTATGAGCGAGTTGAAAACGGAGACTTCAACTGGATCGTTCCAGGAAA  
 GTTTTTAGCGTTCAGTGGACCGCATCTAAAAGCAAGATTGAGAATGGTTACCCTCTCCAGCTCCCGAA  
 GCCTACTTTCCATACTTCAAAAAGAACACGTGACCACGATCGTGAGATTGAACAAAAAGATCTACGAGG  
 CGAAGCGCTTCACAGACGCTGGCTTCGAGCACTATGACCTGTTCTTCATAGACGGCAGCACCCAGCGA  
 TAACATCGTGCGGAGATTCTGAACATCTGTGAGAACACCGAGGGGGCCATCGCGGTCCACTGCAAGCT  
 GGTCTGGGAAGAACCGGACATTGATAGCCTGTTATGTCATGAAACACTACAGGTTTACACATGCTGAAA  
 TCATTGCTTGGATCAGAAATTTGCCGACCAAGGCTCCATCATCGGACCCAGCAGCACTTCTGAAAGAAA  
 ACAAGCATCATTGTGGGTCCAAGGAGACATTTTAGATCCAACTAAAAATAGACCATCCAGTGAGGGA  
 AGTATTACAAAAATTATTTCTACCCTGGATGATATGTCTATTGGTGCAATTTATCCAAATTACAAGCA  
 CAGAAAGGATTGGAGAGAATAATTTTGAAGACGAAGATATGAAATTAAGAACAACGTAACGCAGGGAGA  
 CAAACTACGTGCCTTAAAAAGCCAGAGGCATCCCGCTCCTCGCCATCCTGTGCATTTAGGTGAGATGAT  
 ATGAAAGGACACCAAGGCAATGGCCAGACTTTCAGATTAAGTTCTCACCAGCAACCACTATGTCGA  
 CCATGAAGACCTCCAAAGTGTGTTTGTCCCTTCAGTGACAGCCAAAAAATAAGCCGAGGTTCTTTGTC  
 TTCAGGAGCAATATAAGAAGCTTCTCCATAAATTCGCGCTAGCCAGTTCTCTAGGGAAGTTGAACGCC  
 GGGACAGAAGAACCTGAGACCAAGAAGACCACATCACTACCAAGGCCGCTTTCATAGCCAGCCATTCA  
 CCAGCTTCTTGAATGGCAGCACCCAGACACCTGGCAGAACTACCCTGAGCTCAACAACAACAGTACAC  
 CAGAAGCAGCAACAGCAACAGCAGCAGCAGCAGCAGCGGTCTTGGGGCAACCTGAACAGCTCTCCAGTC  
 CCCAGAGCGCCAAGCCGAGGAGCACACCACATCCTTCGACCTTCTTCCCGGGTCACTCTCTTCTCT  
 CCTCAGTGAGATTCTGAGCCGTTCTATACCTCCCTCAGTCTGAATACGTTTCATTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223843 representing NM\_001080818  
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MAAESGELIGACEFMKDRLYFATLRNRPKSTINIHYSIDEELVYENFYADFGLNLAMVYRYCCKLNKK  
 LKSYSLSRKKIVHYTSFDQKRANAFLIGAYAVIYLKKTPEEAYRALLSGSNPPYLPRDASFGNCTYN  
 LTVLDLQGIKGLQHGFDFETFDAAEYEHYERVENGFNWIWPGKFLAFSGPHPKSKIENGYPLHAPE  
 AYFPYFKNNVTTIVRLNKKIYEAKRFTDAGFEHYDLFFIDGSTPSDNIVRRFLNICENTEGAIIVHCKA  
 GLGRTGLIACYVMKHYRFTAEIIAWIRICRPGSIIGPQQHFLKEKQASLWVQGDIFRSKLKNRPSSEG  
 SITKIISTLDDMSIGANLSKLQSTERIGENNFEDEMEIKNNVTQGDRLALKSQRHPRSSPSCAFRSDD  
 MKGHQRAMAQTFRLSSSPQPTMTMKTSTVCLSPSVTAKKISRGLSSGANIRSFINSRLASSLGNLNA  
 GTEEPETKTTSLTKAAFIAFPFTSFLNGSTQTPGRNYPELNNQYTRSSNSNSSSSSSSGLGNLNSPV  
 PQSAKPEEHTTILRPSFPGSLSSSVRFLSRSIPSLQSEYVHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_001080818                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ORF Size:</b>     | 1809 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F3653                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_001080818.2, NP_001074287.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>  | 4511 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1812 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 229776                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u>Q6GQT0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 3 G1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>           | 68.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |