

## Product datasheet for **MR230531A1V**

### Mouse Cdc7 (NM\_001271566) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Cdc7                       |
| Synonyms:      | AI597260; Cdc7II; muCdc7   |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >MR230531 representing NM\_001271566  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGAGAGCCAATGGCGTTTTCTTCCTTCGTGGCAGTGACAGGTGCCGGCTGATGACTCTTTAAAAA  
 AATATGAGCAGAGTGTTAACTTTCAGGTATTAAGAGAGATATTGAGGAGCTTTGTGAAGCTGTACCACA  
 ACTAGTCAATGTGTTCAAAATTAAGGACAAAATTGGAGAAGGCACCTTCAGCTCTGTTTATTTGGCCACA  
 GCACAGTTGCAAGAAGGACATGAAGAGAAAATTGCGCTGAACACTTAATCCCACAAGTCATCCTATGA  
 GGATTGCAGCAGAGCTTCAGTGTCTGACAGTTGCAGGGGGCAAGACAATGTCATGGGACTTAAGTACTG  
 CTTCAGAAAAAATGATCATGTGGTTATTGCTATGCCGTATCTGGAACATGAGTCCTTTTGGACATTTTG  
 AATTCTCTTCTTCCAAGAAGTTCGGGAATATATGTATAATCTTTTGTAGCTTTGAAACGGATTTCATC  
 AGTTTGGTATTGTTACCGTGATGTGAAGCCAGCAATTTTTATACAATAGACGTCTGAAAAAGTATGC  
 CTTGGTGGACTTCGGTTTGGCCAGGGAACCCGTGACACAAAATAGAGCTGCTCAAGTTTGTCCAGTCT  
 GAGGCTCAGCAGGAAGATTGTTACGAAACAAGTATCATGGAGTCGTTGGACACAAGGGCCTGCTGAGTC  
 GCGCGGCACCTAAACTGTGGATCAGCAGTGATACCCAAAACTTCTGTCAAAAGATCCTACACACAAGT  
 TCACATTAAGCAAGGAAAAGACGGAAGGAGAGATCTGTAGGCTTTCTGTCCAGCGCTCTGTTTTTGA  
 GAGAGAAATTTCAATATACACAGCTCCATTTACATGAGAGCCCTGCAGAGAACTCATCAAGCAATCAA  
 AGACTGTGGACATAATATCACGAAAGCTAGCGACAAAAAGACGGCCATTCTACAAAAGCTATGAACAG  
 CGTGATGAGGAAAAGTCCAGGTCTGCCCTGCTGCTCCTCACCTGCGACTGCTATGGATCAGATAGAGTC  
 TGCAGCGTTTGCCTGTCGAGGCGGCAGCAGGTTGCCCTAGGGCAGGCACACAGGATTAGAGCGCCAG  
 AGGTCTGACAAAGTGTCTGACCAGACCAGCGATTGACATGTGGTCTGCAGGTGTCATATCTCTGTC  
 CTTGCTCAGTGGGCGGTACCCATTTTACAAGGCCAGTGATGACTTAAGTCTTTGGCTCAGATCATGACA  
 ATTCGAGGATCCAGGAAAAGTATCCAGGCTGCTAAAGCTTTTGGCAATCAGTTCTGTGTAGCAAAGAAG  
 TCCAGCACAAAGCTTGAGAGCTCTCTGTGAGAGACTGCGGGGTCTAGACTCTACCACTCCAGGTCAGC  
 CAGTGGTCTCCAGGGAATGCTTCTATGACCTGCTGCTTCCAAGAAGTATGACCAAAAGCATCCCGT  
 GTACAGGCTGCTCAGGCACAGCACTCAGAGGACTCCTTGATATAAAGGGACACGATGGCTATTGGAGTC  
 ATCCCAAGACTGCACTTCCAAGTCAAGAGCTGGGACTCAGTACCTGATGAAGCCTATGACCTGCTCGA  
 CAAGCTTCTGGACCTAAACCCAGCTTCAAGGATAACAGCAGAAGCAGCCTATTACATGCGTTCTTTAA  
 GATATGTGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230531 representing NM\_001271566  
 Red=Cloning site Green=Tags(s)

MEEPMFSSLRGSDRCPADDSLKKEYSVKLSGIKRDIEELCEAVPQLVNVFKIKDKIGEGTFSSVYLAT  
 AQLQEGHEEKIALKHLIPTSHPMRIAELQCLTVAGGQDNVMGLKYCFRKNHVVVIAMPYLEHESFLDIL  
 NSLSFQEVREYMYNLFVALKRIHQFGIVHRDVKPSNFLYNRRLLKYYALVDFGLAQGTRDTKIELLKQVQS  
 EAQQEDCSRKNKYHGVVGHKGLLSRPAPKTVDDQCTPKTSVKRSYQVHIKQKDGKERSVGLSVQSVFG  
 ERNFIHSSISHESPAEKLKQSKTVDIISRKLATKKAISTKAMNSVMRETARSCPAVLTCDCYGS DRV  
 CSVCLSRQQVAPRAGTPGFRAPEVLTKCPDQTTAIDMWSAGVIFLSLLSGRYPFYKASDDLTAQAQIMT  
 IRGSRETIQAQAFGKSVLCSKEVPAQDLRALCERLRGLDSTTPRSASGPPGNASYDPAASKNTDHKASR  
 VQAAQAQHSEDSLYKRDNDGYWSPKPDCTSNSEGWDSVPDEAYDLLDKLLDLNPASRITAEAAALLHAFFK  
 DMCS

**TR**TRPLE**QKLI**SEEDLAANDILDYKDDDDKV

**Species:** Mouse

**Serotype:** AAV-2

**ACCN:** NM\_001271566

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>     | 1692 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><a href="#">NM_001271566.1</a></u> , <u><a href="#">NP_001258495.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>  | 3137 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1695 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 12545                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <u><a href="#">Q9Z0H0</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 5 E5                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>           | 62.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |