

## Product datasheet for **MR210803A1V**

### Mouse Nell2 (NM\_016743) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Mouse Nell2 (NM_016743) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | Nell2                                |
| Synonyms:                 | A330108N19Rik; mel91; R75516         |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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**ORF Nucleotide  
Sequence:**

&gt;MR210803 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

 ATGCACGCCATGGAATCCCGGGTGTACTGAGAACGTTCTGCGTGATCCTCGGGCTTGGAGCGGTTTGGG  
GGCTTGGTGTGGACCCCTCCCTACAGATTGACGCTTAAACAGAGTTAGAAGTTGGGAGTCTACAGATGG  
AGTGCGCCAAGTCCCGGACTGCATAATGGGACGAAAGCCTTCTCTTCCAAGAGTCCCCAGAAGCATA  
AAGGCATCCACTGCTACAGCTGAGCGGTTTTCCAGAAGCTGAGAAATAAACACGAGTTCACAATCTTGG  
TGACCCTGAAACAGATCCACTTAAATTCGGGAGTTATCCTCTCCATCCACCACTTGGATCACAGGTACCT  
GGAAGTGGAAAGCAGTGGCCATCGAATGAGATCAGACTCCACTACCGCTCTGGCACTACCGTCCCCAC  
ACGGAAGTGTTCCTTATATTTGGCTGATGCCAAGTGGCACAAGCTCTCCTTAGCCTTCAGTGCCTCTC  
ACTTAATTTTACACATCGACTGCAATAAGATCTATGAACGAGTGGTGGAAATGCCTTCAACAGACTTGCC  
TCTGGGCACCACATTTTGGTTGGACAGAGAAATAATGCACATGGCTATTTTAAGGGAATATGCAGGAT  
GTGCACGTTCTTGTCATGCCTCAGGGCTTCATTGCTCAGTGCCCGGACCTTAATCGAACCTGTCCAACAT  
GCAACGACTTCCATGGGCTTGTGCAGAAATCATGGAGCTGCAGGACATTTTATCAAAGACGTACGCCAA  
GTTGTCCAGAGCTGAACAAAGAATGAACAGGCTGGATCAGTGCTACTGTGAGCGGACATGCACTGTGAAG  
GGAACCACTACCGAGAGTCTGAGTCTGGACAGACGGCTGTAAGAACTGCACATGCTTGAACGGGACCA  
TCCAGTGCGAGACTCTGGTCTGCCCTGCTCCTGACTGCCCTCTAAATCGGCCCTGCGTATGTGGATGG  
CAAGTGCTGTAAGGAGTGCAATCAACCTGCCAGTTCAGGGACGGAGCTACTTTGAGGGAGAAAGGAAC  
ACGGTATACTCATCTTCTGGAATGTGTGCTTATATGAATGCAAGGATCAGACCATGAAGCTTGTGAGA  
ACATTGGCTGCCACCCTTAGATTGTCCGAGTCTCATCAGATTGCCTTGTCTCACAGCTGCTGCAAGGT  
TTGTAAGGTTATGACTTCTGTTCTGAGAAGCATACCTGCATGGAGAAGTCCGGTCTGCAGGAACCTGAAC  
GACAGGGCTGTGTGCAGCTGCAGGGATGGTTTTCGGGCTCTCCGAGAGGACAACGCCCTACTGTGAAGACA  
TTGACGAGTGTGCAGAAGGGCGCCATTACTGCCGTGAGAACACCATGTGTGTGAATACACCTGGTTCTTT  
CATGTGTATCTGCAAACTGGGTACATCAGGATCGACGATTACTCATGTACAGAACATGATGAGTGTCTC  
ACAAACCAGCACAATTGTGATGAAAACGCTTTGTGCTTAACTGTTGGAGGACACAACGTGTCTGCA  
AGCCTGGCTACACGGGAATGGAACACGTGCAAGCTTTCTGCAAGATGGCTGTAGAAACGGAGGAGC  
GTGCATTGCTGCCAATGTGTGCTGCTGCCACAAGGCTTCACGGGACCCAGCTGTGAGACAGACATTGAC  
GAGTGTCTGAGGGCTTTGTTCACTGTGACAGCCGTGCCAACTGCATCAACCTGCCTGGGTGGTATCACT  
GTGAGTGCAGAGACGGCTACCATGACAATGGGATGTTTGCGCCAGGCGGAGAATCCTGTGAAGATATTGA  
CGAATGCGGGACTGGGAGGCACAGCTGCACCAACGACACCATTTGCTTCAACTTGGACGGGGGATACGAT  
TGCCCGTGTCCCATGGGAAGAACTGCACTGGGGACTGCGTGCACGAGGGGAAAGTGAAGCACACCGGCC  
AGATCTGGGTGCTGGAAAACGACAGGTGCTCCGTGTGTTCTGCCAGACTGGGTTTGTATGTGTCGACG  
GATGGTCTGCGACTGCGAAAACCCACAGTTGACCTTTCTGCTGCCCTGAGTGTGACCAAGGCTGAGC  
AGTCAGTGCCTGCATCAAAACGGGGAACCGTGTACAACAGCGGCGACACCTGGGTCCAGGATTGCCGTC  
AGTGCCGCTGCTTGCAAGGAGAAGTTGACTGTTGGCCCTGGCTTGCCAGAGGTAGAATGTGAATTTAG  
CGTCTTCTTGAGAACGAGTGTGCCCACGCTGTGTACCGATCCTTGTGAGCCGACACCATCCGCAAT  
GACATACCAAAACCTGCCTGGACGAGATGAACGTGGTTGCTTACCGGGTCTTCTGGATCAAGCACG  
GCACGGAGTGACCTCTGCCAGTGCAAGAATGGCCATTTGTGCTGCTCAGTGGATCCACAGTGCCTTCA  
GGAGCTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR210803 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MHAMESRVLLRTFCVILGLGAVWGLGVDPSLQIDVLTELELGESTDGVVRQVPLHNGTKAFLFQESPRSI<br/> KASTATAERFFQKL RNKHEFTILVTLKQIHLNSGVILSIHHL DHRYLELESSGHRNEIRLHYRSGTHRPH<br/> TEVFPYILADAKWHKLSLAFSASHLILHIDCNKIYERVVEMPSTDPLGTTFWLGQRNNAHGYFKGIMQD<br/> VHVLVMPQGFIAQCPDLNRTCPTCNDFHGLVQKIMELQDILSKTSAKLSRAEQRMNRLDQCYCERTCTVK<br/> GTTYRESESWTDGCKNCTCLNGTIQCETLVCPAPDCPPKSAPAYVDGKCKECKSTCQFQGRSYFEGERN<br/> TVYSSSGMCVLYECKDQTMKLVENIGCPPLDCPESHQIALSHSCCKVCKGYDFCSEKHTCMENSVCRNLN<br/> DRAVCSRGDGRALREDNAYCEDIDECAGRH YCRENTMCVNTPGSFMCI CKTG YIRIDDYSCTEHDECL<br/> TNQHNCDENALCFNTVGGHNCVCKPGYTNGTTCKAFCKDGCRRNGGACIAANVCACPQGFTGPS CETDID<br/> ECSEGFVQCDSRANCINLPGWYHCECRDGYHDNGMFAPGGESCEDIDECGTGRHSCTNDTICFNLDGGYD<br/> CRCPHGKNCTGDCVHEGKVKHTGQIWVLENDRC SVCSCQTGFVMCRMVDCENPTVDLSCCPECDPRLS<br/> SQCLHQNGETVYNSGDTWVQDCRQCRLQGEVDCWPLACPEVECEFSVLPENECPCRCVTDPCQADTIRN<br/> DITKTCLDEMNVVRF TGSSWIKHGTECTL CQCKNGHLCCSVDPQCLQEL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>             | NM_016743                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ORF Size:</b>         | 2457 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F1879                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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_016743.2, NP_058023.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>      | 3385 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>       | 2460 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>         | 54003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>     | 15 E3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MW:</b>               | 91.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |