

## Product datasheet for **MR202921A1V**

### Mouse Smndc1 (NM\_172429) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Mouse Smndc1 (NM_172429) AAV Particle                                       |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | Smndc1                                                                      |
| Synonyms:                 | 2410004J23Rik; 4933440I19Rik                                                |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >MR202921 representing NM_172429<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCAGAGGATCTAGCAAAACAGTTGGCTAGCTACAAAGCTCAACTCCAGCAAGTAGAAGCTGCCCTTT  
CTGGAATGGAGAAAATGAAGATCTATTGAACTGAAGAAGGATTTGCAAGAAGTAATAGAACTGACCAA  
AGACCTTCTGTCAACTCAGCCTTCGGAGACGCTCGCAAGCTCAGACAGTTTGTCTTCTACTCAGCCCACT  
CATTTCATGGAAAGTAGGGGACAAGTGCATGGCCGTGTGGAGTGAAGACGGACAGTGTTACGAAGCGGAGA  
TTGAAGAGATAGATGAAGAAAATGGCACCGCTGCAATCACCTTTGCTGTTTATGGCAATGCCGAAGTGAC  
GCCATTGCTGAACCTCAAGCCTGTAGAAGAAGGAAGGAAGGCGAAAGAGGACAGCGGCAACAAACCCATG  
TCAAAAAAAGAAATGATCGCCAGCAGCGTGAATATAAAAAAGAAAAAGCTTTGAAAAAGCACAGAGAA  
TAAAGAGTTGGAGCAGGAGCGAGAGGACCAGAAGGTGAAATGGCAGCAGTTCAACAACAGGGCGTACTC  
CAAGAACAAGAAAGGCCAGGTAAGAGGAGTATTTTGTCTTCCAGAAAGTGTAAACGGGCAAAGTTGGA  
GTAGGAACCTGTGGAATTGCTGACAAGCCCATGACACAGTATCAAGATACATCCAAGTACAATGTCAGGC  
ATTTGATGCCTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR202921 representing NM_172429</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSEDLAKQLASYKAQLQQVEAALSGNGENEDLLKLLKDLQEVIELTKDLLSTQPSETLASSDSFASTQPT<br/>           HSWKVGDKCMAVWSEDDGQCYEAEIEEIDEENGTAITFAVYGNAEVTPLLNLKPVEEGRKAKEDSGNKPM<br/>           SKKEMIAQQREYKKKKALKKAQRIKELEQEREDQKVKWQQFNNRAYSKNKKGQVKRSIFASPESVTGKVG<br/>           VGTGCIADKPMTQYQDTSKYNVRHLM PQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                              |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>             | NM_172429                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>         | 714 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_172429.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>      | 2125 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>       | 717 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>         | 76479                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>       | <u>Q8BGT7</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>     | 19 D2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW:</b>               | 26.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |