

## Product datasheet for **MR209999A1V**

### Mouse Smc3 (BC057345) AAV Particle

#### Product data:

|                           |                                    |
|---------------------------|------------------------------------|
| Product Type:             | AAV Particles                      |
| Product Name:             | Mouse Smc3 (BC057345) AAV Particle |
| Tag:                      | Myc-DDK                            |
| Symbol:                   | Smc3                               |
| Synonyms:                 | HCAP, SmcD, Bamacan                |
| Mammalian Cell Selection: | None                               |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)         |



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**ORF Nucleotide  
Sequence:**

>MR209999 representing BC057345  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGAATAACTTTGAGTGTGAACCAGCTTCTATACTTGTGTGGAAGTCACTGCTGGTAACAGGTTATTTT  
 ATCACATTGTTGATTCAGATGAAGTCAGCACGAAAAATTTAATGGAGTTCAATAAAATGAATCTTCCTGG  
 AGAGGTGACTTTCCTGCCTCTTAACAAGTTAGATGTGAGAGATACTGCCTATCCTGAAACTAACGATGCT  
 ATTCCTATGATCAGTAAGCTGAGGTACAATCCCAGATTGACAAAGCTTTCAAACATGTATTTGGAAAGA  
 CACTCATCTGTCGGAGCATGGAAGTTTCAACTCAGCTGGCCCGGGCCTTCACTATGGACTGTATTACTTT  
 GGAAGGTGATCAAGTCAGCCATCGAGGTGCTCTGACTGGAGGTTATTACGACACAAGAAAGTCTCGACTT  
 GAGTTACAGAAAGACGTTAGGAAGGCAGAGGAGGAGCTGGGTGAGCTGGAGGCTAAGCTCAATGAAAACC  
 TACGCAGGAACATTGAAAGGATTAATAATGAAATTGACCAGTTGATGAACCAATGCAGCAGATAGAGAC  
 CCAACAAAGAAAAATTTAAAGCATCCAGAGATAGCATATTATCAGAGATGAAGATGCTAAAAGAGAAGAGA  
 CAGCAATCAGAAAAGACCTTCATGCCAAAGCAACGTAGCTTACAAAGCTTGGAGGCAAGTCTGCATGCTA  
 TGGAGTCCACCAGAGAGTCACTGAAAGCGGAGCTAGGAACGGATTGCTTTCTCAACTCAGTCTGGAAGA  
 TCAGAAAAGAGTCGACGCTCTGAATGATGAAATCCGTCAGCTGCAGCAGGAAAACAGACAGCTGCTAAAT  
 GAAAGAATTAAGTAGAAGGCATTATTACTCGAGTAGAGACTTACCTGAATGAGAATCTGAGGAAACGCT  
 TGGACCAAGTAGAACAGGAACCTAATGAACTGAGAGAGACAGAAGGTGGTACTGTTCTTACTGCCACAAC  
 ATCAGAACTTGAAGCTATTATAAAAGAGTAAAAGATACTATGGCAAGATCAGAAGATTTGGACAATTCC  
 ATTGACAAAACAGAAGCTGGAATTAAGAGCTCCAGAAAAGTATGGAGCGCTGGAAAAATATGGAGAAAG  
 AACACATGGATGCCATAAATCATGATACTAAAGAGCTGGAGAAGATGACCAACCGCAAGGCATGCTGTT  
 GAAGAAGAAGGAGGAGTGTATGAAGAAGATCCGGGAGCTGGGGTCCCTCCCCAGGAAGCGTTTGAGAAG  
 TACCAGACACTGAGCCTGAAGCAGTTGTTTCGAAAAGTGGAGCAATGCAACACAGAGTTAAAGAAGTACA  
 GCCACGTGAACAAAAAGGCTCTAGATCAGTTTGTGAATTTCTCTGAGCAGAAGGAAAAGCTGATAAAGCG  
 GCAAGAGGAATTGGATAGAGGCTACAAATCAATCATGGAATTGATGAATGTACTTGAAGTTAGAAAATAT  
 GAAGCTATTAGTTAACTTTCAAACAGGTATCTAAGAACTTCAGTGAAGTTTCCAGAAGTTGGTACCTG  
 GTGGCAAAGCGACTTTGGTGATGAAGAAAGGAGATGTGGAGGGCAGCCAGTCTCAGGACGAAGGAGAAGG  
 GAGTGGCGAGAGTGAGCGGGGCTCTGGGTACAGAGCAGTGTTCCATCAGTTGACCAGTTCACAGGAGTT  
 GGGATCAGGGTGTCATTTACAGGAAGCAAGGGGAGATGAGAGAAATGCAGCAGCTCTCAGGAGGACAGA  
 AATCTCTGGTAGCCCTTGCTCTCATCTTTGCCATTGAGAAATGCGACCTGCTCCTTTTTACCTGTTTGA  
 TGAGATCGACCAAGCTTTGGATGCTCAGCACAGAAAAGCCGTGTCAGATATGATTATGGAGCTAGCCGTG  
 CATGCCAGTTTATTACCACTACTTTAGGCCTGAACTGCTTGAGTCAGCTGACAAATCTATGGTGTA  
 AGTTACAGAAATAAGGTTAGTCACATTGATGTGATCACAGCAGAGATGGCCAAAGATTTTGTAGAAGACGA  
 TACCACGCATGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR209999 representing BC057345</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MNFECEPAFYTCVEVTAGNRLFYHIVDSDEVSTKILMEFNKMNLPGEVTFLLPLNKLDVRDTAYPETNDA<br/> IPMISKLRYNPRFDKAFKHVFGKTLICRSMEVSTQLARAFTMDCITLEGDQVSHRGALTGGYYDTRKSRL<br/> ELQKDVRKAEELGELEAKLNENLRRNIERINNEIDQLMNQMQIETQQRKFASRDSILSEMKMLKEKR<br/> QQSEKTFMPKQSRSLQSLASLHAMESTRESLKAELGTDLLSQLSLEDQKRVDALEIRQLQQENRQLLN<br/> ERIKLEGIITRVETYLNNLRKRLDQVEQELNELRETEGGTVLTATTSELEAINKRVKDTMARSEDLNS<br/> IDKTEAGIKELQKSMERWKNMEKEHMDAINHDTKELEKMTNRQGMILLKKKEECMKKIRELGSLPQEAFAK<br/> YQTLCLKQLFRKLEQCNTTELKKYSHVNKKALDQFVNFSEQKEKLIKQEELDRGYKSIMELMNVLRLKY<br/> EAIQLTFKQVSKNFSEVFQKLVPGGKATLVMKKGDVEGSQSQDEGESESGSGSSVPSVDQFTGV<br/> GIRVSFTGKQGMREMQLSGGQKSLVALALIFAIQKCDPAPFYLFDEIDQALDAQHRKAVSDMIMELAV<br/> HAQFITTTFRPELLESADKFYGVKFRNKVSHIDVITAEMAKDFVEDDTTHG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>             | BC057345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ORF Size:</b>         | 2043 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F1099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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="#">BC057345.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq Size:</b>      | 2711 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>       | 2045 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>         | 13006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 19 D2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 99.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |