

## Product datasheet for **MR204666A1V**

### Mouse Grap2 (NM\_010815) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Mouse Grap2 (NM_010815) AAV Particle                              |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Grap2                                                             |
| Synonyms:                 | Gads; GRAP-2; GRB2L; GRBLG; GrbX; Grf40; GRID; GrpL; Mona; P38    |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >MR204666 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGAAGCCACTGCCAAGTTTGATTTTCATGGCCTCAGGTGAGGACGAAGTCTGCTTTGCGACTGGAGACA  
TTCTGAAGATACTAAGCAACCAGGAGGAGTGGCTCAAGGCGGAGCTCGGAAGCCAAGAAGGATATGTGCC  
TAAGAATTTTATAGATATCGAGTTTCTGAGTGGTCCATGAAGGCTCTCTCGACATCAAGCAGAAAAAC  
TTACTCATGGGCAAGGACATTGGATTCTTCATCATCAGGGCCAGCCAGAGTTCCCAGGAGACTTCTCCA  
TCTCTGTCAGGCACGAGGACGACGTTTCAGCACTTCAAAGTCATGCGTGACACCAAGGGCAATTACTTCTCT  
GTGGACCGAGAAGTTCCCATCCTTAAATAAGCTGGTGGACTACTACCGGACAACGTCCTCTCCAAACAG  
AAGCAGGTCTTCTTCGGGATGGAACCCAAGATCAGGGTCACCGGGGCAACAGCCTGGACAGGAGGTCCC  
AGGGCGGCCCTCACCCGAGTGGAACCGTAGGAGAAGAAATCCGACCTTCAGTGAACCGGAAGCTGTGAGA  
CCACCTTCTCTGGGTCCCCAGCAGTTCCACCCGACACGAGCCGTCACCCAGTTCACACCAGGGCCG  
CAGCCCCCTCAACAGCAGCGTTATCTGCAGCATTTCCACCAGGACCGTCGTGGGGGCAGCCTGGACATAA  
ACGATGGACACTGCGGCCTTGGAAGTGAGGTGAACGCCACGCTGATGCACCGGAGACACACCGACCCGT  
ACAACTCCAGGCAGCAGGGCGGGTGCCTTGGGCCAGGGCACTGTATGACTTTGAGGCTCTGGAAGAGGAC  
GAGCTGGGATTCCGAAGCGGAGAAGTGTTGAAGTCCTGGACAGCTCCAACCCATCTTGGTGGACCGGCC  
GTCTGCACAACAACTGGGTCTCTTCCCTGCCAACTATGTGGCCCCATGATGCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR204666 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEATAKFDPMASGEDELSFRTGDILKILSNQEEWLKAE LGSQEGYVPKNFIDIEFPEWFHEGLSRHQAEN<br/> LLMGKDIGFFIIRASQSSPGDFSISVRHEDDVQHF KVMRDTKGN YFLWTEKFPSLNKLVDYYRTTSISKQ<br/> KQVFLRDGTQDQGHGRGSLDRRSQGPHPSGTVGEE IRPSVNRKLS DHLPLGPQQFHPHQQPSQFTPGP<br/> QPPQQRYLQHFHQDRRGSLDINDGHCGLGSEVNATLM HRRHTDPVQLQAAGRVRWARALYDFEAL EED<br/> ELGFRSGEVVEVL DSSNPSWWTGRLHNKLGLFPANYVAPMMR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ACCN:</b>             | NM_010815                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ORF Size:</b>         | 966 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_010815.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>      | 5475 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>       | 969 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>         | 17444                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>       | <u>O89100</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>     | 15 E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>               | 36.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |