

## Product datasheet for **RC209898A1V**

### Human MMD2 (NM\_198403) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human MMD2 (NM_198403) AAV Particle                               |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | MMD2                                                              |
| Synonyms:                 | PAQR10                                                            |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC209898 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTTGCCCCCGGCTGCTGGATTTCCAGAAGACGAAATACGCGAGGTTTCATGAACCACCGAGTCCCTG  
CCCACAAGAGGTACCAGCCACAGAGTATGAACATGCGGCCAACTGTGCCACCCATGCTTTCTGGATCAT  
CCCCAGCATCCTGGGCAGCTCCAACCTCTACTTCCTGTGCGACGATGACTGGGAGACCATCTCTGCCTGG  
ATCTACGGCCTCGGCCTCTGCGGCCTCTTCGTGGTGCCACTGTGTTTCACACCATCTCCTGGAAGAAGA  
GCCACCTAAGGATGGTGAACACTGTATACACATGTTGACCGGATGGTCATCTATTTCTTCATAGCGGC  
TTCCTACGCACCCTGGCTGAACCTTCGGGAGCTGGGCCCTGGGCCTCCACATGCGCTGGCTGGTCTGG  
ATTATGGCTTCCGTGGGCACCATCTATGTCTTCTTCTTCCATGAGCGGTACAAGCTTGTGGAGCTTCTCT  
GCTACGTCGTAATGGGCTTCTTCCCGCCCTGGTCATCCTCTCCATGCCCAACACCGAGGGCATCTGGGA  
GCTGGTGACCGGAGGGGTCTTCTACTGCCTGGGCATGGTCTTCTCAAGAGTGACGGGAGGATCCCTTT  
GCCCACGCAATCTGGCATCTCTTGTAGCATTTGGTGTGGTACCCACTACTATGCCATCTGGAGGTACC  
TCTATCTGCCAGCACCTGCAGACCAAGGTGTCCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC209898 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MFAPRLLDQKTKYARFMNHRVPAHKRYQPTHEYHAANCATHAFWIIPSILGSSNLYFLSDDDWETISAW<br/>         IYGLGLCGLFVVSTVFHTISWKKSHLRMVEHCIHMFDRMVIYFFIAASYAPWLNLRGPGWASHMRWLWV<br/>         IMASVGTIYVFFFHERYKLVLLCYVVMGFFPALVILSMPNTEGIWELVTGGVFYCLGMVFFKSDGRIPF<br/>         AHAIWHLFVAFGAGTHYAIWRYLYLPSTLQTKVSK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                                       |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>             | NM_198403                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>         | 738 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_198403.2, NP_940685.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>      | 2362 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>       | 741 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>         | 221938                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>       | <u>Q8IY49</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>     | 7p22.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW:</b>               | 28.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |