

## Product datasheet for **MR226712A1V**

### Mouse Mmp9 (NM\_013599) AAV Particle

#### Product data:

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                       |
| Product Name:             | Mouse Mmp9 (NM_013599) AAV Particle                                 |
| Tag:                      | Myc-DDK                                                             |
| Symbol:                   | Mmp9                                                                |
| Synonyms:                 | AW743869; B/MMP; B/MMP9; Clg4; Clg4b; Gel B; MMP-; MMP-9; pro-MMP-9 |
| Mammalian Cell Selection: | None                                                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                          |



[View online »](#)

**ORF Nucleotide  
Sequence:**

>MR226712 representing NM\_013599  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTCCCTGGCAGCCCTGCTCCTGGCTCTCCTGGCTTTCGGCTGCAGCTCTGCTGCCCTTACCAGC  
 GCCAGCCGACTTTTGTGGTCTTCCCAAAGACCTGAAAACCTCCAACCTCACGGACACCCAGCTGGCAGA  
 GGCATACTTGTACCGCTATGGTTACACCCGGGCGCCAGATGATGGGAGAGAAGCAGTCTCTACGGCCG  
 GCTTTGCTGATGCTTCAGAAGCAGCTCTCCCTGCCCCAGACTGGTGAGCTGGACAGCCAGACACTAAAGG  
 CCATTCGAACACCACGCTGTGGTGTCCAGACGTGGGTGCGATTCCAAACCTTCAAAGGCCTCAAGTGGGA  
 CCATCATAACATCACATACTGGATCCAAACTACTCTGAAGACTTGCCGCGAGACATGATCGATGACGCC  
 TTCGCGCGCGCCTTCGCGGTGTGGGCGAGGTGGCACCCCTCACCTTCACCCGCGTGTACGGACCCGAAG  
 CGGACATTGTCTCCAGTTTGGTGTGCGGGAGCACGGAGACGGGTATCCCTTCGACGGCAAGGACGGCCT  
 TCTGGCACACGCCTTTCCCTTGGCGCCGGCGTTGAGGAGATGCCATTTGACGACGACGAGTTGTGG  
 TCGCTGGGCAAGGCGTCTGTATCCCACTTACTATGGAACCTCAAATGGTGCCCATGTCACTTTCCCT  
 TCACCTTCGAGGGACGCTCCTATTGCGCTGCACCACAGACGGCCGAACGACGGCACGCTTGGTGTAG  
 CACAACAGCTGACTACGATAAGGACGGCAAATTTGGTTTCTGCCCTAGTGAGAGACTCTACACGGAGCAC  
 GGCAACGGAGAAGGCAAACCTGTGTGTTCCCGTTTCATCTTTGAGGGCCGCTCCTACTCTGCCTGCACCA  
 CTAAAGGCCGCTCGGATGGTTACCGCTGGTGCACCACAGCCAATATGACCAGGATAAACTGTATGG  
 CTTCTGCCCTACCCGAGTGGACGCGACCGTAGTTGGGGGCAACTCGGCAGGAGAGCTGTGCGTCTTCCCC  
 TTCGTCTTCTGGGCAAGCAGTACTCTTCTGTACCAGCGACGGCCGAGGGATGGGCGCCTCTGGTGTG  
 CGACCACATCGAACTTCGACACTGACAAGAAGTGGGTTTCTGTCCAGACCAAGGGTACAGCCTGTTCTCT  
 GGTGGCAGCGCACGAGTTCGGCCATGCACTGGGCTTAGATCATTCCAGCGTGCCGGAAGCGCTCATGTAC  
 CCGCTGTATAGCTACCTCGAGGGCTTCCCTCTGAATAAAGACGACATAGACGGCATCCAGTATCTGTATG  
 GTCGTGGCTCTAAGCCTGACCAAGGCCTCCAGCCACCACCACAACCTGAACCACAGCCGACAGCACCTCC  
 CACTATGTGTCCCACTATACCTCCCACGGCCTATCCCACAGTGGGCCCCACGGTTGGCCCTACAGGCGCC  
 CCCTCACCTGGCCCCACAAGCAGCCCGTCACCTGGCCCTACAGGCGCCCCCTCACCTGGCCCTACAGCGC  
 CCCCTACTGCGGGCTCTTCTGAGGCCTCTACAGAGTCTTTGAGTCCGGCAGACAATCCTTGAATGTGGA  
 TGTTTTTGATGCTATTGCTGAGATCCAGGGCGCTCTGCATTTCTCAAGGACGGTTGGTACTGGAAGTTC  
 CTGAATCATAGAGGAAGCCATTACAGGGCCCCTTCTTACTGCCGCGACGTGGCCAGCCCTGCCTGCAA  
 CGCTGGACTCCGCCTTTGAGGATCCGCAGACCAAGAGGGTTTTCTTCTTCTCTGGACGTCAAATGTGGGT  
 GTACACAGGCAAGACCGTGTGGGCCCCAGGAGCTGGATAAGTTGGGTCTAGGCCCAGAGGTAACCCAC  
 GTCAGCGGGCTTCTCCCGCGTCTCTCGGAAGGCTCTGCTGTTGAGCAAGGGGCGTGTCTGGAGATTGCG  
 ACTTGAAGTCTCAGAAGGTGGATCCCCAGAGCGTCATTGCGGTGGATAAGGAGTTCTCTGGTGTGCCCTG  
 GAACTCACACGACATCTCCAGTACCAAGACAAAGCCTATTTCTGCCATGGCAAATCTTCTGGCGTGTG  
 AGTTTCCAAAATGAGGTGAACAAGGTGGACCATGAGGTGAACAGGTGGACGACGTGGGCTACGTGACCT  
 ACGACCTCCTGCAGTGCCCT

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR226712 representing NM_013599<br/> <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MSPWQPLLLALLAFGCSSAAPYQRQPTFVVFVKDLKTSNLTDTQLAEAYLYRYGYTRAAQMMGEKQSLRP<br/> ALLMLQKQLSLPQTGELDSQTLKAIRTPRCGVPDVGRFQTFKGLKWDHNNITYWIQNYSEDLPRDMIDDA<br/> FARAFVWGEVAPLTFTRVYGPEADIVIQFGVAEHGDGYFDFGKDGLLAHAFPPGAGVQGDHFDDELW<br/> SLGKGVVIPTYYGNSNGAPCHFPFTFEGRSYSACTTDGRNDGTPWCSTTADYDKDGKFGFCPSERLYTEH<br/> GNNEGKPCVFPFIFEGRSYSACTTKGRSDGYRWCAATTANYDQDKLYGFCPTRVDATVVGNSAGELCVFP<br/> FVFLGKQYSSCTSDGRRDGRWCATTSNFDTDKKWGFCPDQGYSLFLVAAHEFGHALGLDHSSVPEALMY<br/> PLYSYLEGFPLNKDDIDGIQYLYGRGSKPDRPPATTTTTPQPTAPPTMCPTIPPTAYPTVGPTVGPTGA<br/> PSPGPTSSPSPGPTGAPSPGPTAPPTAGSSEASTESLSPADNPCNVDVFDIAEIQGALHFFKDGWYWKF<br/> LNHRGSPLQGPFLTARTWPALPATLDSAFEDPQTKRVFFFSGRQMWVYTGKTVLGPRSLDKLGLGPEVTH<br/> VSGLLPRRLGKALLFSKGRVWRFDLKSQKVD PQSVIRVDKEFSGVPWNSHDI FQYQDKAYFCHGKFFWRV<br/> SFQNEVNKVDHEVNQVDDVGVTYDLLQCP</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span></p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ACCN:</b>             | NM_013599                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ORF Size:</b>         | 2190 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F4166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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="#">NM_013599.2</a></u> , <u><a href="#">NP_038627.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq Size:</b>      | 3185 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>       | 2193 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 17395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>       | <u><a href="#">P41245</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 2 85.27 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MW:</b>               | 81 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |