

## Product datasheet for **MR208693A1V**

### Mouse Gyr1 (NM\_028720) AAV Particle

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | AAV Particles                                |
| Product Name:             | Mouse Gyr1 (NM_028720) AAV Particle          |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | Gyr1                                         |
| Synonyms:                 | 2810419J22Rik; 3930401K13Rik; AW545332; Npac |
| Mammalian Cell Selection: | None                                         |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                   |



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**ORF Nucleotide  
Sequence:**

>MR208693 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACTGGGCCGGTATCCTCCCTGGCCAG  
 GAAAGATTGTTAATCCACCCAAGGACTTAAAGAAACCACGTGGAAAGAAATGCTTCTTTGTGAAGTTTT  
 TGGAACAGAAGATCATGCCTGGATCAAAGTGAACAGCTAAAGCCTTACCATGCTCACAAGGAGGAGATG  
 ATAAAGATTAACAAGGGTAAACGGTTCAGCAAGCTGTGGATGCTGTTGAAGAGTTCTCAGGAGAGCCA  
 AAGGGAAAGACCAGACATCATCCACACTTCTGCTGATGACAAGAATCGGCGTAATTCAGTGAGGAGAG  
 AAGTAGGCCAAACTCAGGTGATGAGAAACGCAAGCTTAGCCTGTCTGAAGGGAAGGTGAAGAAGAATG  
 GGAGAAGGAAAGAAGAGGGTGACTTCAGGCTCTGCAGACAGAGGCTCAAATGCCTTAAAGAGCCCAAG  
 AGCAAAGTCCCGGAAGCGGGTGGCCCCCAAAGGATGAGAAGGACCTACCATCCTGAGTCTAGCAC  
 TGTAAGGGGATGATGGCTGGACCGATGGCTGCATTTAAATGGCAGCCAAACAGCGACCGAGCCAGTCAAA  
 GATGCAGATCCTCATTTTCATCATTTTCTGTTGAGCCAAACAGAGAAGCCAGCTGTCTGTTACCAGGCAA  
 TCACAAAGAAGTTGAAAATATGTGAAGAGGAACTGGTTCACCTCCATCCAGGCAGCAGACAGCACAGC  
 TGTGAATGGCAGCATTACACCCACAGACAAAAGATAGGATTTTTGGCCTTGGCTTAATGGGAAGTGGC  
 ATCGTCTCCAATTGCTAAAAATGGGTACACAGTGACTGTCTGGAACCGGACTGCAGAGAAAGAGGGGG  
 CCCGCCTAGGAAGAACCCCGCTGAAGTCGTTTCAACTGTGACATCACTTTGCCTGTGTGTCGGATCC  
 AAAGGCAGCCAAGGACCTGGTGTGGGCCCCAGCGGTGTCTGCAAGGAATCCGCCCCGGAAGTGCTAT  
 GTGGACATGTCAACGGTGGATGCGGATACAGTCACCGAGCTGGCCAGGTGATTGTATCCAGAGGGGGAC  
 GCTTTCTGGAAGCACCAGTCTCAGGGAATCAGCAACTGTCCAATGATGGGATGTTGGTGATCTTAGCAGC  
 CGGAGACAGGGGCTTGATGAGACTGCAGCAGCTGCTTCCAGGCAATGGGAAAGACCTCCTTCTTTTAA  
 GGTGAAGTTGGCAATGCAGCCAAGATGATGCTGATTGTGAACATGGTCCAAGGGAGCTTCATGGCCACCA  
 TTGCTGAGGGGCTCACGCTGGCCCAAGTGACAGGCCAATCACAGCAGACACTCTTGACATCCTTAATCA  
 GGGACAATTGGCCAGCATCTTTCTGGACCAGAAGTGCCAAAATATCCTACAAGGAAACTTTAAACCTGAC  
 TTCTACCTGAAATACATTCAGAAGGATCTCCGCTGGCCATTGCATTGGGTGATGCAGTCAACACCCCA  
 CTCCCATGGCAGCTGCAGCCAATGAGGTATACAAAAGAGCCAAGGCACTGGACCAGTCTGACAATGATAT  
 GTCTGCCGTGTACCGAGCCTACATACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208693 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAVSLRLGDLVWGKLGYPWPVGKIVNPPKDLKKPRGKKCFVVKFFGTEDHAWIKVEQLKPYHAHKEEM  
 IKINKGRFQQAVDAVEEFLRAKGDQTSSTHSADDKNRRNSSEERSRPNSGDEKRKLSLSEGVKKNM  
 GEGKKRVTSAGSADRGSCLKRAQEQSPKRGRPPKDEKDLTIPESSTVKGMMAGPMAAFKWPQPTATEPVK  
 DADPHFHHFLLSQTEKPAVCYQAITKKLKICEETGSTSIQAADSTAVNGSITPTDKKIGFLGLMLGSG  
 IVSNLLKMHTVTVWNRTAEKEGARLGRTPAEVVSTCDITFACVSDPKAAKDLVLGPSGLVQGIKPKCY  
 VDMSTVDADTVTELAQVIVSRGGRFLEAPVSGNQQLSNDGMLVILAAGDRGLYEDCSSCFQAMGKTSFFL  
 GEVGNAAKMMLIVNMVQGSFMATIAEGLTLAQVTGQSQQTLILDILNQQLASIFLDQKCNILQGNFKPD  
 FYLKYIQKDLRLAIALGDAVNHTPMAAAANEVYKRAKALDQSDNDMSAVYRAYIH

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

**ACCN:**

NM\_028720

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>     | 1638 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><a href="#">NM_028720.2</a></u> , <u><a href="#">NP_082996.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>  | 3347 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1641 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 74022                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <u><a href="#">Q922P9</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 16 2.49 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MW:</b>           | 59.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |