

## Product datasheet for **MR229534A1V**

### Mouse *Tram2* (NM\_177409) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Tram2                      |
| Synonyms:      | C330003D03Rik              |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:** >MR229534 representing NM\_177409  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGGCTTTCCGTAGGAGGACGAAAAGTTACCCGCTCTTCAGCCAGGAGTTCATCATCCACAACCATGCAG  
ACATCGGTTTCTGCTTGGTGCTCTGCGTCTCATCGGGCTTATGTTGAGGTACAGCCAAGACTGCCTT  
CCTATTTATTTACCTCAGTATAACATTAGTGTGCTACAGCAGACAGTGAGACAGTGCACTACCACTAT  
GGCCCAAAGGACCTGGTCACCATCTTGTTCTACGTCGTCATCACCATCATCTTCCATGCTGTGGTCCAGG  
AGTACATCTTAGACAAATCAGCAACGCCTTCATCTCTCAAGGTCAAACACAGCAAGTTCAATGAATC  
TGGACAGCTGCTTGTCTTTCATCTCAGCGCGGTGGCGTGGTCTTCTATGTGATCGTAACAGAAGGATAT  
TTAACAAACCCAAGAAGCCTCTGGGAAGATTACCCGCATGTGTACCTCTCCTTCCAGGTGAAGTTTTCT  
ACTTGGGACAGCTGGCATACTGGTTGCACTCACTACCTGAACCTCTACTTCCAGAAGGTGCGGAAGGAAGA  
AGTCCACGCCAGCTGCAATACATTTGTCTGTACCTTCTTCACTCACTGGGGCATACTCTTAAACCTG  
AGCCGCCTGGGGCTGATCTTGCTACTACTGCAGTACTCCACCGAGGCCCTTTTCACATGGCTCGGCTCT  
TCCACTTTGCAGACGAGAATAACGAGAGGCTGTTTAACGCCTGGGCTGCTGTGTTGGGGTCACGCGTCT  
CTTCATCCTCACCTCGCTGTGCTGACCATTTGGCTTTGGATTGGCTCGGGTGGAAAACCAAGTGTGAC  
CCCGAGAAAGGGAACCTTAACACCTTGCCCTTGAGGCTTGGCATGCTGCTGCTGGTGTGTGTCGCCCAGG  
CCTGGCTCATGTGGCGCTTCATCCACTCCAGTTGCGGCACTGGCGGGAGTATTGGAAGGAGCAGAGTGC  
CAAGCGTAGAGTCTCTGCTGTCCCGAGGCCCCAGCCAAGCTCCTCAAGAGAGAACCTGTTACCATGAA  
AACGGAGTGGTGAAGGCAGAGAACGGGACCTCCTCACGGACTAAGAACTCAAGTCTCCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR229534 representing NM_177409<br/> <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MAFRRRTKSYPLFSQEFIIHNHADIGFCLVLCVLIGLMFEVTAKTAFILPQYNISVPTADSETVHYHY<br/> GPKDLVTILFYVVITIIIFHAVVQEYILDKISKRLHLSKVKHSKFNESGQLLVFHL SAVAWCFYVIVTEGY<br/> LTNPRSLWEDYPHYVLSFQVKFFYLGQLAYWLHSLPELYFQKVRKEEVPRQLQYICLYLLHITGAYLLNL<br/> SRLGLILLLLQYSTEALFHMARLFHFADENNERLFNAWA AVFGVTRLFILTLAVLTIGFGLARVENQVFD<br/> PEKGNFNTLPCRLGMLLLVCVAQAWLMWRFIHSQLRHWREYWKEQSAKRRVSAVPRPPAKLLKREPGYHE<br/> NGVVKAENGTSRRTKKLKSP</p> <p><span style="color: red;">SGP</span>TRTRPLE<span style="color: green;">QKLI</span>SEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ACCN:</b>             | NM_177409                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ORF Size:</b>         | 1110 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_177409.3, NP_803128.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>      | 1390 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq ORF:</b>       | 1113 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Locus ID:</b>         | 170829                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID:</b>       | <u>Q924Z5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cytogenetics:</b>     | 1 A4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW:</b>               | 43.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |