

## Product datasheet for **RC229860A1V**

### Human Manic Fringe (MFNG) (NM\_001166343) AAV Particle

#### Product data:

**Product Type:** AAV Particles  
**Product Name:** Human Manic Fringe (MFNG) (NM\_001166343) AAV Particle  
**Tag:** Myc-DDK  
**Symbol:** Manic Fringe  
**Mammalian Cell Selection:** None  
**Vector:** pAAV-AC-Myc-DDK (PS100089)  
**ORF Nucleotide Sequence:** >RC229860 representing NM\_001166343  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGTGCCGGCTCCCGCGGGCCTGGCTGGAGCCCTCCTCACCTCCTGTGCATGGGGCTCCTGTGTC  
TGCGGTACCACTTGAACCTGTCCCGCAGCGGGTACAAGGGACCCCGAGCTGAGCCAGCCGAACCCGGG  
GCCCCCTAAGCTACAGCTACACGATGTCTTCATTGCAGTGAAGACGACCCGGGCTTCCACCGCTTGCGC  
CTGGAGCTGCTGCTTGACACGTGGGTTCCAGGACCAGGAACAGGTGACAAGTCCACCTTGCGTCA  
CCAAGTCTCCGCGAACACAGCCACCCAGCTCTGTCTGCAAGATGGCTGCTGAGTTGACACCTTCTT  
GGCCAGTGGGCTTAGGTGGTTCTGCCATGTGGACGATGACAACATGTGAACCCAAGGGCGCTGCTGCAG  
CTTCTGAGAGCCTTCCCGCTGGCCCGCAGCTCTATGTGGGAAGGCCAGCCTGAACCGGCCATCCATG  
CCTCAGAGCCACAGCCCCACAACCGCACGAGGCTGGTACAGTTCTGGTTTGCCACTGGGGGTGCTGGCTT  
CTGCATCAATCGAACTGGCTTTGAAGATGGCTCCGTGGGCCAGTGGCTCCCGTTTCATGGACACATCT  
GCTCTCATCCGGCTGCCTGATGACTGCACCATGGGCTATATCATTGAGTGCAAGCTGGGCGGCCGCTGC  
AGCCAGCCCCCTCTTCACTCCACCTGGAGACCCTGCAGCTGCTGAGGACTGCACAGCTCCAGAAC  
GGTACCCTCAGCTACGGTGTCTTTGAGGGGAACTCAACGTCATTAAGCTACAGGGCCCTTCTCCCG  
GAGGAGGACCCCTCCAGATTCGCTCCCTCCATTGTCTGCTCTATCCAGATACACCCTGGTGTCCCGCAG  
TGGGTGCCCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC229860 representing NM_001166343</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MQCRLPRGLAGALLTLLCMGLLCLRYHLNLSQQRVQGTPELSQPNPGPPKLQLHDVFIIVKTTRAFHRLR<br/>LELLLDTWVSRTREQVTRSHLVVTNCSAEHSHPALSCKMAAEFDTFASGLRWFCVDDDDNYVNPALLQ<br/>LLRAFLPLARDVYVGRPSLNRPIHASEPQPHNRTRLVQFWFATGGAGFCINRKLALKMAPWASGSRFMDTS<br/>ALIRLPDDCTMGYIECKLGGRLQPSPLFHSLETQLLLRTAQLPEQVTLSYGVFEGKLNVIKLQGPFPSP<br/>EEDPSRFRSLHCLLYPDTWPWCPQLGAR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>    |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>             | NM_001166343                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ORF Size:</b>         | 921 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_001166343.1, NP_001159815.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>       | 924 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>         | 4242                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>       | <u>O00587</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>     | 22q13.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>               | 35.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |