

## Product datasheet for **MR229788A1V**

### Mouse Mknk1 (NM\_001285488) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Mknk1                      |
| Synonyms:      | 2410048M24Rik; Mnk; Mnk1   |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:** >MR229788 representing NM\_001285488  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGCAGCAGTGAGCCCTTCCCATCGTGGATTCTGACAAGAGGAGGAAGAAGAAGCGTAAGACCCGGG  
CCACCGACTCTCTGCCAGGAAAGTTTGAAGATGTGTACCAGCTGACCTCGGAATTGCTGGGAGAAGGAGC  
CTATGCCAAAGTCCAGGGTGCTGTGAACCTACAGAGTGGGAAGGAGTATGCTGTCAAAATCATCGAGAAG  
CAAGCCGGGCACAGTCGAAGTCGAGTGTTCCGTGAGGTGGAGACACTGTATCAGTGTCAAGGGAACAGGA  
ACATTTTGGAGCTGATTGAATCTTTGAAGATGACACACGGTTTTACTTGGTCTTTGAGAAATTGCAAGG  
AGGCTCCATCCTAGCACACATCCAGAAGCGGAAGCACTTCAATGAGCGAGAAGCCAGTAGAGTGGTGGC  
GACGTCGCCACTGCCCTTGACTTCCTGCACACTAAAGGCATTGCTCACCGTGATCTGAAGCCAGAAAAACA  
TACTGTGTGAATCTCCAGAAAAGGTGTCTCCGGTGAAAATTTGTGACTTTGACTTGGGCAGTGGGGTAA  
GTTGAACAACCTCTGCACTCCATAACACGCCAGAGCTGACTACTCCATGCGGCTCTGCAGAGTATATG  
GCACCTGAGGTGGTGGAGGTCTTTAGGGACGAGGCTACTTTCTATGACAAGCGCTGTGACCTGTGGAGCC  
TGGGTGTGGTCTCTACATCATGCTGAGTGGCTACCCCTTTGTAGGTCACTGTGGGGCTGACTGTGG  
CTGGGACCGGGGAGAGGTATGCAGGATGTGCCAGAACAGCTGTTTGAGAGCATCCAGGAAGGCAATAC  
GAGTTTCTGACAAAGACTGGGCTCACATCTCCAACGAGGCCAAAGACCTCATCTCTAAGCTCCTGGTTC  
GAGATGCGAAGCAAGACTCAGTGTGCCAGGTTCTGCAGCATCCATGGGTACAAGGGCAAGCTCCAGA  
AAGGGGACTCCCAAGCGCCGCAAGTCTTCCAGAGAAACAGCAGCACCATTGACTTGAATCTCTCGAGCT  
GAGGCCATTGCCCTGAACCGCCAGCTGTCTCAGCATGAGGAGAATGAACTGGCCGAGGAACAGGAGGCC  
TAGCTGAGGGCTCTGCTCCATGAAGCTGTCCCTCCATCCAAATCTCGCTGGCTCGAAGGCGAGCCCT  
GGCCAGGCTGGCCGAAGCCGAGATGCAACCCATGTTTGACACCGGCAGGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR229788 representing NM_001285488</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGSSEPLPIVDSDKRRKKRKRKTRATDSLPGKFEDVYQLTSELLGEGAYAKVQGAVNLQSGKEYAVKIEK<br/> QAGHSRSRVFREVETLYQCQGNRNILELIEFFEDDTRFYLVFEKLQGGSLAHIQKRKHFNEREASRVVR<br/> DVATALDFLHTKGIAHRDLKPENILCESPEKVSPVKICDFDLGSGVKLNNSCTPITTPELTPCGSAEYM<br/> APEVVEVFRDEATFYDKRCDLWSLGVVLYIMLSGYPPFVGHCADCGWDRGEVCRMCMQNKLFESI QEGKY<br/> EFPDKDWAHISNEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGQAPERGLPTPQVLQRNSSTMDLTLFAA<br/> EAIALNRQLSQHEENELAEQEALAEGLCSMKLSPPSKSRLARRRALAQAGRSRDANPCLTPAGL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ACCN:</b>             | NM_001285488                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ORF Size:</b>         | 1245 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_001285488.1</u> , <u>NP_001272417.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>      | 2598 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>       | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 17346                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID:</b>       | <u>O08605</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>     | 4 D1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 46.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |