

## Product datasheet for **MR227654A1V**

### Mouse Kcnn2 (NM\_080465) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Mouse Kcnn2 (NM_080465) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | Kcnn2                                |
| Synonyms:                 | bc; fri; KCa2.2; SK2; SKCA2          |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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**ORF Nucleotide  
Sequence:**

>MR227654 representing NM\_080465  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGCAGCTGCAGGTACAACGGGGCGTCATGCGTCCGCTCAGCAACTTGAGCTCGTCCCGCCGAACC  
 TGCAGGAGATGGACTCCGAGGCTCAGCCCTGCAGCCCCCGCTCCGTCGTAGGAGGAGGTGGTGGTGC  
 GTCTCTCCCGTCTGCTGCCGCCGCCCTCATCTCAGCCCCGAGATCGTGGTGTCTAAGCCGGAGCAC  
 AACAACTCTAACACCTGGCGCTCTACGGGACTGGCGCGGAGGCAGCACCGGAGGCGCGCGCGCGCA  
 GCGGGCATGGCAGCAGCAGCGGCACCAAGTCCAGCAAAAAGAAGAACAGAACATCGGCTACAAGCTGGG  
 CCATCGGCGGCCCTGTTTGAGAAGCGCAAGCGGCTCAGCGACTATGCGCTTATCTTCGGCATGTTCCGC  
 ATCGTGGTTATGGTCATTGAGACCGAGCTGTCTGGGGCGCTACGACAAGGCGTCGCTGTATTCTTTAG  
 CTCTGAAATGCCTTATCAGTCTCTCCAGCATCATCTGCTTGGTCTGATCATCGTGTACCACGCCAGGGA  
 AATACAGTTATTCATGGTGGACAATGGAGCAGATGACTGGAGAATAGCCATGACTTATGAGCGTATTTTC  
 TTCATCTGCTTGGAAATACTGGTGTGTCTATCCATCCCATACCTGGGAATTATACGTTACATGGACAG  
 CCCGGCTTGCCTTCTCTATGCCCCCTCCACAACCACCGCAGATGTGGATATTATTTTATCTATACCAAT  
 GTTCTTAAGGCTCTATCTGATTGCCAGAGTCATGCTATTACATAGCAAACTTTTCACCGATGCCTCGTCT  
 AGAAGCATTGGGGCACTTAATAAGATAAACTTCAATACGCGTTTTGTTATGAAGACTTTAATGACTATCT  
 GCCCAGGAAGTGTGCTCTTGGTTTTAGTATCTCATTATGGATAATTGCCGCATGGAGCTGCCGAGCTTG  
 TGAAAGGTACCATGATCAACAGGATGTCACTAGCAACTTCCTTGGAGCAATGTGGTTGATATCAATAACT  
 TTTCTCTCCATTGGTTATGGTGACATGGTACCAACACATACTGTGGGAAAGGAGTCTGCTTGCTTACTG  
 GAATCATGGGTGCAGTTGCACAGCCCTGGTGGTAGCCGTAGTGGCAAGAAAGCTAGAACTTACCAAAGC  
 AGAAAAGCATGTGCACAATTTTCATGATGGATACTCAGCTGACCAAAAAGAGTGAAAAACGCAGCCGCAAT  
 GTACTCAGGGAACGTGGTTAATCTACAAAAACACAAAGCTAGTGAAAAAGATCGACCAGCAAAAGTAA  
 GAAAGCATCAACGGAAATTCTTGCAAGCTATTCATCAATTAAGAAGTGTGAAGATGGAACAGAGGAACT  
 GAATGACCAAGCAAAATACCCTAGTGGATCTGGCAAAGACCCAGAATATCATGTATGACATGATTTCCGAC  
 TTGAATGAAAGGAGTGAAGACTTTGAGAAAAGGATCGTACCCTGGAAACAAACTAGAGACTTTGATTG  
 GTAGCATTTCATGCCCTCCCTGGGCTAATCAGCCAGACCATCAGACAGCAGCAAGGGACTTCATTGAGAC  
 ACAGATGGAGAACTACGACAAGCATGTCTCTACAATGCTGAGCGCTCCCGGTCTCTGTCAGGAGGCGG  
 CGGTCTCTCTCACAGCGCCACCAACTTCATCAGAGAGTAGC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>MR227654 representing NM\_080465  
 Red=Cloning site Green=Tags(s)

MSSCRYNGGVMRPLSNLSSRRNLQEMDSEAQLQPPASVVGGGGASSPSAAAASSSAPEIVVSKPEH  
 NNSNNLALYGTGGGGSTGGGGSGHSGSSGTSKSKKNQNIQYKLGHRRALFEKRKRLSDYALIFGMFG  
 IVVMVIETELSWGAYDKASLYSLALKCLISLSTIILLGLIIVYHAREIQLFMVDNGADDWRIAMTYERIF  
 FICLEILVCAIHPGNYFTWTARLAFSYAPSTTTADVDIILSIPMFLRLYLIAVMLLHSLKFTDASS  
 RSIGALNKINFNTRFVMTLMTICPGTVLLVFSISLWIIAAWTVRACERYHDQDVTSNFLGAMWLISIT  
 FLSIGYDMVPNTYCGKGVCLLTGIMGAGCTALVVAVVARKLELTAKAEKHVHNFMMDTQLTKRVKNAAAN  
 VLRETWLIYKNTKLKKIDHAKVRKHQRKFLQAIHQLRSVKMEQRKLNQANTLVDLAKTQNIYDMISD  
 LNERSEDFEKRIVTLETKLETIGSIHALPGLISQTIQQQDFIETQMENYDKHVSYNASERSRSSRRR  
 RSSSTAPPTSSESS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:         | NM_080465                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:     | 1722 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F4311                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Stability:    | 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. |
| RefSeq:       | <u><a href="#">NM_080465.2</a></u> , <u><a href="#">NP_536713.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq Size:  | 2046 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1725 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 140492                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:   | <u><a href="#">P58390</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 18 B3- C                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MW:           | 63.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |