

## Product datasheet for **MR216588A1V**

### Mouse Kcnc2 (NM\_001025581) AAV Particle

#### Product data:

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | AAV Particles                           |
| Product Name:             | Mouse Kcnc2 (NM_001025581) AAV Particle |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | Kcnc2                                   |
| Synonyms:                 | AW047325; B230117I07; KShIIIA; Kv3.2    |
| Mammalian Cell Selection: | None                                    |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)              |



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**ORF Nucleotide  
Sequence:**

>MR216588 representing NM\_001025581  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAAGATCGAGAGCAACGAGAGGGTGATCCTCAATGTCGGGGGTACCAGGCACGAAACCTACCGCA  
 GCACCCTCAAGACCCTGCCTGGAACCTCGCCTGGCCCTTCTTGCCCTCCTCTGAACCTCAGGGCGACTGCCT  
 GACTGCGGCGGGGACAAAGCTGCAACCCTGCCCTCCGCTGTCTCCGCGCCACGACCGCCTCCCTTG  
 TCCCTGTCCCGAGCGGCTGTTTCGAGGGCGGCGCAGGCAACTGCAGTTCGCACGGTGGCAACGGCGGCA  
 ACGGGCGCAGCGACACCCTGGGGGAGGCCGCAATTCTTCTCGATCGCACCCAGGAGTATTCGCCTA  
 TGTGCTCAATTACTACCGCACGGGCAAGCTGCACTGCCCGCCGACGTGTGCGGGCGCTCTTCGAGGAA  
 GAGCTGGCTTTCTGGGCATCGATGAGACCGACGTGGAGCCCTGCTGCTGGATGACCTACAGGCAGCACC  
 GGGACGCGGAGGAGGCCCTGGACATCTTTGAGACACCCGACCTCATCGGGGGCGACCCTGGTGATGATGA  
 GGACCTAGCGGCAAGAGATTGGGCATTGAGGATGCTGCGGGGCTGGGAGGACCCGATGGCAAGTCAGGC  
 CGCTGGAGGAAGCTGCAGCCTCGCATGTGGGCTCTTTTGAGGACCCCTACTCATCTAGAGCCGCTAGGT  
 TTATTGCTTTTGCTTCTTTGTTCTTCATTTTGGTTTCCATCACAACCTTTTGCCTGGAGACACATGAAGC  
 TTTCAATATTGTTAAAAACAAGACGGAGCCCGTCATCAATGGCACCAGCCCGTCTCCAGTACGAAATC  
 GAAACGGATCCCGCCCTGACGTACGTGGAAGGAGTATGTGTGGTGTGGTTACGTTTGAATTTTGTAGTCC  
 GAATTGTTTTCTCACCAATAAACTTGAATTCATCAAAAATCTCTTGAACATCATTGACTTTGTGGCCAT  
 CCTCCCCTTCTACCTAGAGGTGGGACTCAGCGGGCTGCTCTCAAAGCGGCCAAAGATGTGCTCGGCTTT  
 CTCAGGGTGGTTAGGTTTGTGAGGATCCTGAGAATCTTCAAGCTCACCCGCCATTCGTAGGTCTGAGGG  
 TGCTCGGACATACTCTTCGGGCGAGCACCAACGAATTTTGTGCTGATCATCTTCTGGCGCTGGGAGT  
 TTTGATATTCGCTACGATGATCTACTACGCTGAGAGAGTAGGGGCTCAGCCCAATGACCCCTTCAGCTAGT  
 GAGCACACGCAGTTCAAAAACATCCCCATTGGTTTCTGGTGGGCGTAGTGACCATGACTACCTTAGGTT  
 ACGGGGATATGTACCCCAAAACATGGTCAGGGATGTTGGTGGGGGCTTGTGTGCCCTGGCCGAGTGCT  
 GACAATAGCCATGCCTGTGCCTGTCATTGTCAACAATTTGGAATGTACTACTCCTTGGAATGGCGAAG  
 CAGAACTTCCAAGAAAGAGAAAGAAGCATATTCCTCCTGCCCTCTGGCAAGCTCGCCTACATTTTGCA  
 AGACAGAATTGAACATGGCTTGAACAGTACCCAGAGTGACACATGTCTGGGCAAGAAAACCGGCTTCT  
 GGAACATAACAGATCAGTGTTATCAGGTGACGACAGTACAGGAAGTGAGCCGCCATTATCACCTCCAGAA  
 AGGCTCCCTATCAGACGCTCTAGTACCAGAGACAAAACAGAAGAGGGGAAACGTGTTTCTGTTGACGA  
 CAGGTGATTACAGTGCGCTTCTGATGGAGGAATCAGGAAAGCAAGCACACTAGAGCCCATGGAGAGTAC  
 TGCACAGACTAAAGGAGACACAAGACGAAGCTCATTGGAATTGTGCGCACTTACTCAATTTTGGGTGT  
 CCTACAGGAAGTTCATTTCCACCCCTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR216588 representing NM_001025581</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGKIESNERVILNVGGTRHETYRSTLKTLPGTRLALLASSEPGQDCLTAAGDKLQPLPPPLSPPPRPPPL<br/>           SPVPSGCFEGGAGNCSSHGGNGGSDHPGGGREFFDRHPGVFAYVLNYYRTGKLHCPADVCGPLFEE<br/>           ELAFWGI DETDVEPCWMTYRQHRDAEEALDIFETPD LIGGDPGDEDLAAKRLGIEDAAGLGGPDGKSG<br/>           RWRKLQPRMWALFEDPYSSRAARFIAFASLFFILVSITTFCLETHEAFNIVKNKTEPVINGTSPVLQYEI<br/>           ETDPALTYVEGVCVWVTFEFLVRIVFSPNKLEFIKNLLNIIDFVAILPFYLEVGLSGLSSKAADVLGF<br/>           LRVVRFVRILRIFKLTRHFVGLRVLGHTLRASTNEFLLLIIFLALGVLIFATMIYYAERVGAQPN DPSAS<br/>           EHTQFKNIPIGFWWAVVTMTTLGYGDMYPQTWSGMLVGALCALAGVLT IAMPVPVIVNNFGMYSLAMAK<br/>           QKLPRKRKKHIPPAPLASSPTFCKTELNMACNSTQSDTCLGKENRLL EHNRSVLSGDDSTGSEPLSPPE<br/>           RLPIRRSTRDKNRRGETCFLTTGDTCASDGGIRKASTLEPMESTAQTGK DTRPEAHWNCAHLLNFGC<br/>           PTGSSFPTL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>             | NM_001025581                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ORF Size:</b>         | 1917 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F2491                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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_001025581.1, NP_001020752.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>      | 6196 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq ORF:</b>       | 1920 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Locus ID:</b>         | 268345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>     | 10 60.3 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>               | 70.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |