

## Product datasheet for **MR229807A1V**

### Mouse Kcnj16 (NM\_001252207) AAV Particle

#### Product data:

**Product Type:** AAV Particles

**Tag:** Myc-DDK

**Symbol:** Kcnj16

**Synonyms:** 6430410F18Rik; AII32396; Kir5.1

**Mammalian Cell** None

**Selection:**

**Vector:** pAAV-AC-Myc-DDK (PS100089)

**ORF Nucleotide Sequence:** >MR229807 representing NM\_001252207  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAGCTATTACGGAAGTAGCTACAGGATCGTCAATGTGGACTCCAATATCCAGGCTATCCTCCAGAGC  
ATGCCATCGCTGAGAAGAGAAGAGCAAGAAGCGCTTGCTCCACAAAGATGGCAGCTGTAATGTGTA  
TAAACACATTTTGGAGAATGGGGAGCTACATGGTTGATATTTTACCACTCTTGTGGATACCAAGTG  
CGCCATATGTTCTGAATATTTCTCTGTCTTACATTCTCTCTGGTTGATATTTGGCTCCATATTTTGGC  
TCATAGCCTTTATCACGGAGACCTATTAAGCGATCCAGATATCACCCCTTGTGTTGACAACGTGCATTC  
ATTTACGGCTGCATTTTATTCTCCCTGGAGACCCAGACCACCATTTGGATACGGTTACCGCTGTGTCCACC  
GAAGAGTGCTCTGTGGCTGTAAGTACAGTATCCTTCAGTCCATCCTCAGCTGCATCATAAACACCTTCA  
TCATTGGAGCAGCCTTGCAAAAGATGGCAACTGCCCCGGAAGAGAGCCAGACCATACGCTTCAGCTATTT  
TGCCCTCATTTGGTATGAGAGACGGGAAGCTTGCCTCATGTGGCGCATAGGTGACTTCCGACCAAAACCAT  
GTGGTAGAGGGCACGGTGAGAGCCCAACTTCTGCGCTATTCAGAAGACAGTGAAGGGAGGATGACGATGG  
CGTTTAAAGACCTCAAACCTCGTCAATGACCAGATAATCCTGGTAACTCCAGTGACTATTGTCCATGAAAT  
TGACCATGAGAGCCCTCTGTATGCCCTTGACCGCAAGGCAGTGGCCAAAGATAATTTTCGAGATTCTGGTG  
ACATTTATTATACTGGTGATTCCACTGGGACATCCCACCACTCCAGAAGTTCCTACATCCCAGAGAGAA  
TTCTCTGGGGCCACAGTTTTCATGATGATTGGAAGTGAAGAGAAAGTACTACAAGGTGAAGTGCCTTGA  
GTTTGAAGGAAGCGTGAAGTCTACGCCCCCTTTTGCAGTGCCAAACAAGTGAAGTGAAGGACCAACA  
CTCAACAAGTGGAGAAAACGTCCCCTGCCGAGGATCCTGCAATTCTGACACCAACACAGGAGGCGGT  
CCTTCAGCGCAGTTGCCGTGGTGAAGCAGCTGTGAGAACCAGAGGAGACCGTCTGTCCCCACAAGATGA  
ATGTAAGGAGATGCCCTATCAGAAAGCCCTCTGACTTAAATAGGATCTCCATGGAATCCAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR229807 representing NM_001252207</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSYYGSSYRIVNVDISKYPPEHAIAEKRRARRRLLHKDGSCNVYFKHIFGEWGSYMVDIFTTLVDTKW<br/> RHMVFIFSLSYILSWLIFGSIFWLIAFHGDLLSDPDITPCVDNVHSFTAFLFSLETQTTIGYGYRCVT<br/> EECSVAULTVILQSLSCIINTFIIIGAALAKMATARKRAQTIRFSYFALIGMRDGKLCMLWRIGDFRPNH<br/> VVEGTVRAQLLRYSSESEGRMTMAFKDLKLVNDQIILVTPVTIVHEIDHESPLYALDRKAVAKDNFEILV<br/> TFIYTGDSGTSHQSRSSYIPREILWGHFRFHDVLEVKRKYKVNCLQFEGSVEVYAPFCSAKQLDWKDQQ<br/> LNNLEKTSPARGSCNSDTNTRRSFSAVAVVSSCENPEETVLSPODECKEMPYQKALLTLNRISMESQM</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ACCN:</b>             | NM_001252207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ORF Size:</b>         | 1257 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_001252207.1, NP_001239136.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>      | 3718 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>       | 1260 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 16517                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID:</b>       | <u>Q9Z307</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>     | 11 75.01 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>               | 48 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |