

## Product datasheet for **MR210130A1V**

### Mouse Kif3a (NM\_008443) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Mouse Kif3a (NM_008443) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | Kif3a                                |
| Synonyms:                 | Kif3; Kifl; Kns3                     |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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**ORF Nucleotide  
Sequence:**

>MR210130 representing NM\_008443  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGATCAATAAGTCGGAGAAGCCGGAAGCTGCGATAATGTGAAGGTGGTGGTTAGGTGCCGCTC  
 TCAATGAGAGAGAGAAGTCAATGTGCTATAGACAGGCCGTCAGCGTGGATGAAATGAGGGAACTATCAC  
 CGTCCATAAGACCGATTCTCCAACGAACCTCCAAAGACATTTACTTTGATACTGTTTTGGACCAGAA  
 AGTAAACAACTTGATGTGTATACTTAACTGCAAGACCAATTATTGATTCTGTTCTGGAAGGCTACAATG  
 GGACCATCTTTGCATATGGACAGACTGGGACAGGCAAGACTTTACCATTGGAAGGCGTTCGAGCAGTACC  
 GGGGCTCAGAGGGGTATCCCCAACTATTTGCTCAGATATTTGGTCACATCGCAAAAGCAGAGGGCGAC  
 ACAAGGTTTTTGGTTCGAGTGTCTACTTGGAGATATATAATGAAGAAGTTCGAGACCTTTGGGTAAG  
 ATCAGACCCAGAGGTTAGAGGTTAAAGAAAGCCTGATGTGGGAGTATATATCAAAGACTTATCAGCATA  
 TGTAGTCAACAACGCTGACGACATGGATAGAATCATGACTCTAGGCCACAAAAACCGTTCTGTCCGTGCG  
 ACTAATATGAACGAGCAGCTCCCGATCCACGCCATCTTTACAATTACTATAGAGTGCAGTGAGAAAG  
 GCGTGGACGGGAACATGCACGTGAGGATGGGCAAGCTCCACCTTGTGGATCTGGCTGGGTGAGAAAGACA  
 AGCAAAAAGTGGAGCCACAGGACAGCGCTCAAGGAAGCTACCAAAATCAACCTTTCATTGTCTACCCTG  
 GGCAACGTTATTTCTGCCTTGGTGGATGGAAAAAGCACTACGTGCCGTATCGGAACTCCAACTGACCC  
 GTCTCTGCAGGACTCCTTAGGAGGGAAGCTCAAAACCATGATGTGTGCAAAATTTGGGCCAGCAGATTA  
 TAATTATGATGAACTATCAGCACCTTGCGGTATGCCAACCGCGCCAAGAACATTAAGAAACAAAGCGAGA  
 ATCAATGAGGACCCAAAGGATGCTCTGCTCCGCCAGTTTCAGAAAGAAATCGAAGAGCTGAAGAAAAAGC  
 TTGAGGAAGGGGAAGAAGTGTGAGGCTGACATCAGTGGGTGAGGAGGATGACGAGGAGGGTGAAT  
 TGGAGAAGATGGAGAAAAAAGAAAAAGAGAAGGGACCAAGCAGGTAAAAAGAAAGTTTCCCGAGATAAG  
 ATGGTGGAAATGCAAGCGAAAAATTGACGAGGAGAGAAAAGCACTGGAAACCAAACTTGACATGGAAGAAG  
 AAGAAAGAAACAAGGCTAGAGCTGAAGTGAAGAGAGCGGAGAAGGACCTTCTGAAAGCCCAACAAGAGCA  
 TCAGTCTTTGCTGGAAAAGCTGTCTGCTTTGAAAAGAAGGTCATTGTGCGGCGCGTGGACCTGCTGGCC  
 AAGGCTGAGGAGCAAGAGAAGCTTCTGGAGGAGTCCAACATGGAGCTGGAGGAGAGGAGAGACGAGCTG  
 AGCAGCTTCGGAAGAGCTGGAGGAAAAGGAGCAAGAACGCTTGGACATCGAGGAAAAATATACCACTCT  
 GCAAGAGGAGGCACAAGGAAAGACCAAGAAATTAAGAAAGTCTGGACCATGCTGATGGCTGCAAGTCA  
 GAGATGGCTGATCTCCAGCAGGAGCATCAGAGGAGATCGAAGGCCTCCTGGAGAACATCCGGCAGCTCA  
 GCCGGGAGCTCCGTCTTCAGATGCTCATATTGATAACTTCATACCTCAGGATTACCAGGAAATGATTGA  
 AAACACTCGTCCACTGGAATGAAGACATAGGAGAATGGCAGCTAAAATGTGTGGCTACACAGGAAATAAC  
 ATGAGGAAACAACTCCAGTCCCTGACAAGAAGGAGAGAGACCCATTTGAAGTCGACCTTTCCACGTGT  
 ACCTCGCTATACAGAGGAGAGTCTGCGTCAGTCTCTGATGAAGTTAGAAAGGCCACGGACCTCCAAGGG  
 GAAAGCAAGGCCAAAGATGGGGCGAAGAAAGCGTTCTGCAAAGCCTGAGACCGTAATTGATTCTTTACTT  
 CAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR210130 representing NM_008443<br/> <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MPINKSEKPESCDNVKVVRCRPLNEREKSMCYRQAVSVDEMRTITVHKTDSSNEPPKTFTFDTVFGPE<br/> SKQLDVYNLTARPIIDSVLEGYNGTIFAYGQTGTGKFTMEGVRAVPGLRGVIPNSFAHIFGHIKAEGD<br/> TRFLVRVSYLEIYNEEVRDLLGKDQQTQRLEVKERPDVGVIKDL SAYVVNNADDMDRIMTLGHKNRSVGA<br/> TNMNEHSSRSHAI FTITIECSEKGV DGNMHVRMGKHLV DLAGSERQAKTGATGQRLKEATKINLSLSTL<br/> GNVISALVDGKSTHVPYRNSKLTRLLQDSLGGNSKTMMCANIGPADYNYDETISTLRYANRAKNIKNKAR<br/> INEDPKDALLRQFQKEIEELKKKLEEGEEVSGSDISGSEEDDEEGELGEDGEKKKKRRDQAGKKKVSPDK<br/> MVEMQAKIDEERKALETKLDMEEEERNKARAELEERREKDLLKAQQEHQSLEKLSALEKKVIVGGVDLLA<br/> KAEEQEKLLEESNMELEERRRAEQLRKELEEKEQERLDIEEKYTSLQEEAQGKTKKLKVVWTLMAAKS<br/> EMADLQQEHQREIEGLLENIRQLSRELRLQMLIIDNFIPQDYQEMIENYVHWNEDIGEWQLKCVAYTGNN<br/> MRKQTPVPDKKERDPFEVDLSHVYLAYTEESLRQSLMKLERPRTSKGKARPKMGRKRSAKPETVIDSLL<br/> Q</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span></p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>             | NM_008443                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ORF Size:</b>         | 2103 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F1228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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><a href="#">NM_008443.4</a></u> , <u><a href="#">NP_032469.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>      | 5450 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq ORF:</b>       | 2106 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Locus ID:</b>         | 16568                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>       | <u><a href="#">P28741</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cytogenetics:</b>     | 11 31.97 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MW:</b>               | 80.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |