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# Product datasheet for RC209079A1V

## Human KIF17 (NM_020816) AAV Particle

### Product data:

| | |
|---|---|
| **Product Type:** | AAV Particles |
| **Product Name:** | Human KIF17 (NM_020816) AAV Particle |
| **Tag:** | Myc-DDK |
| **Symbol:** | KIF17 |
| **Synonyms:** | KIF3X; KIF17B; KLP-2; OSM-3 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:**

>RC209079 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCCGAGGCGGTGAAGGTTGTCGTGCGCTGCCGTCCCATGAACCAGCGGGAGCGAGAGCTGCGCT
GCCAGCCCGTGGTGACTGTGGACTGCGCGCGCGCCCAGTGCTGCATCCAGAACCCGGGCGCCGCCGACGA
GCCGCCCAAGCAGTTCACCTTCGACGGCGCCTACCACGTGGACCACGTCACCGAGCAGATCTACAACGAG
ATCGCCTATCCGCTGGTGGAGGGCGTCACTGAGGGCTACAATGGCACCATCTTTGCCTACGGCCAGACAG
GCAGCGGGAAGTCCTTCACCATGCAGGGCCTGCCGGATCCGCCCTCCCAGAGAGGCATCATCCCCAGGGC
CTTCGAGCACGTGTTCGAGAGCGTCCAGTGTGCAGAGAACACTAAGTTCCTGGTCCGGGCCTCCTACCTG
GAGATCTACAATGAAGATGTCCGGGACCTCCTTGGGGCTGACACCAAGCAGAAGCTGGAGCTGAAGGAGC
ACCCAGAGAAGGGCGTGTACGTGAAGGGGCTGTCCATGCACACGGTGCACAGCGTGGCCCAGTGTGAGCA
CATCATGGAGACTGGCTGGAAGAACCGTTCGGTCGGCTACACGCTGATGAACAAGGATTCCTCACGCTCG
CACTCCATCTTCACCATCAGCATCGAGATGTCTGCCGTGGATGAGCGGGGCAAGGACCACCTCCGGGCGG
GCAAGCTGAACCTGGTGGACCTGGCGGGCAGCGAGCGGCAGTCCAAGACCGGGGCCACGGGCGAGCGGCT
CAAGGAGGCCACCAAGATCAACCTGTCGCTCTCGGCACTGGGCAATGTCATCTCGGCGCTGGTGGACGGG
CGCTGTAAGCACGTCCCCTACCGTGACTCGAAGCTGACGCGGCTGCTGCAGGACTCACTGGGCGGCAACA
CCAAGACGCTCATGGTGGCCTGCCTGTCGCCTGCGGACAACAACTACGATGAGACACTCAGCACGCTGCG
CTACGCCAACCGGGCCAAGAACATCAGGAACAAGCCGCGCATCAATGAGGACCCCAAGGATGCGCTGCTT
CGCGAGTACCAGGAGGAGATCAAGAAGCTCAAGGCCATCCTGACACAGCAGATGAGCCCCAGCAGCCTGT
CAGCCCTGCTGTCCAGGCAGGTGCCCCCAGACCCTGTGCAGGTGGAGGAGAAGCTGTTGCCCCAACCTGT
GATCCAGCATGACATGGAGGCCGAGAAGCAGCTGATCCGGGAGGAGTATGAAGAGCGCCTGGCCCGGCTG
AAAGCCGACTATAAGGCCGAGCAGGAGTCTCGGGCCAGGCTGGAGGAAGACATCACTGCCATGCGCAACT
CATATGACGTCAGGCTGTCCACGCTGGAGGAGAACCTGCGGAAGGAGACAGAGGCTGTCCTGCAGGTGGG
AGTCCTCTACAAGGCTGAGGTCATGTCCAGGGCTGAGTTTGCCAGCAGCGCTGAGTACCCGCCTGCTTTT
CAGTATGAGACAGTGGTGAAACCCAAGGTCTTCTCCACGACTGACACTCTGCCCAGTGACGATGTCTCCA
AGACTCAGGTTTCCTCCAGGTTTGCGGAGCTGCCCAAGGTGGAACCCTCCAAATCTGAGATTTCTCTGGG



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CTCCAGTGAGTCATCCTCGCTCGAAGAAACCTCTGTGTCCGAGGCTTTCCCTGGGCCTGAGGAGCCCTCC
AACGTGGAGGTCTCCATGCCCACTGAGGAGTCCAGGAGCAGATACTTCCTGGATGAGTGCCTCGGGCAGG
AGGCCGCTGGGCACCTGCTGGGGGAACAGAACTACCTCCCGCAAGAGGAGCCGCAGGAGGTGCCCCTGCA
GGGGTTACTAGGCCTGCAGGACCCGTTTGCCGAGGTGGAAGCCAAGCTGGCCAGACTCTCCTCCACCGTG
GCCAGGACAGATGCACCCCAGGCAGACGTCCCCAAGGTCCCTGTGCAGGTCCCTGCGCCGACAGACCTGC
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AAGCGCTACGCAGACGAGCGCAGGAAGCAGCTGGTGGCTGCCCTGCAGAACTCGGATGAGGACAGCGGGG
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ATCGATTACTTGGCCACCATCCGCCGGCAGGAGCGTGACTCCATGCTCTTGCAGCAGCTCCTGGAGCAGG
TGCAGCCCCTGATTCGCAGGGACTGTAACTACAGCAACCTGGAGAAGATTCTGCGTGAGTCCTGCTGGGA
CGAAGATAACGGCTTCTGGAAGATCCCACATCCCGTCATCACAAAAACCAGCCTCCCAGTAGTTTCAACT
GGGCCACAGAACAAACCAGCCCGCAAAACCTCTGCAGCAGACAATGGCGAGCCGAACATGGAGGAGGACC
GCTACAGGCTCATGCTCAGTCGGAGCAACAGTGAAAACATTGCCAGCAACTACTTCCGATCTAAGCGGGC
CAGCCAGATCCTCAGCACAGACGCCAGGAAGAGCCTCACACATCACAACTCGCCACCAGGCCTCAGCTGC
CCACTCAGCAACAACTCTGCCATCCCACCCACCCAGGCCCCTGAAATGCCCCAGCCCCGGCCCTTCCGCC
TCGAGTCCCTCGACATCCCTTTCACCAAGGCCAAGCGTAAGAAAAGCAAAAGCAACTTTGGCAGTGAGCC
TCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209079 protein sequence
Red=Cloning site Green=Tags(s)

MASEAVKVVVRCRPMNQRERELRCQPVVTVDCARAQCCIQNPGAADEPPKQFTFDGAYHVDHVTEQIYNE
IAYPLVEGVTEGYNGTIFAYGQTGSGKSFTMQGLPDPPSQRGIIPRAFEHVFESVQCAENTKFLVRASYL
EIYNEDVRDLLGADTKQKLELKEHPEKGVYVKGLSMHTVHSVAQCEHIMETGWKNRSVGYTLMNKDSSRS
HSIFTISIEMSAVDERGKDHLRAGKLNLVDLAGSERQSKTGATGERLKEATKINLSLSALGNVISALVDG
RCKHVPYRDSKLTRLLQDSLGGNTKTLMVACLSPADNNYDETLSTLRYANRAKNIRNKPRINEDPKDALL
REYQEEIKKLKAILTQQMSPSSLSALLSRQVPPDPVQVEEKLLPQPVIQHDMEAEKQLIREEYEERLARL
KADYKAEQESRARLEEDITAMRNSYDVRLSTLEENLRKETEAVLQVGVLYKAEVMSRAEFASSAEYPPAF
QYETVVKPKVFSTTDTLPSDDVSKTQVSSRFAELPKVEPSKSEISLGSSESSSLEETSVSEAFPGPEEPS
NVEVSMPTEESRSRYFLDECLGQEAAGHLLGEQNYLPQEEPQEVPLQGLLGLQDPFAEVEAKLARLSSTV
ARTDAPQADVPKVPVQVPAPTDLLEPSDARPEAEAADDFPPRPEVDLASEVALEVVRTAEPGVWLEAQAP
VALVAQPEPLPATAGVKRESVGMEVAVLTDDPLPVVDQQQVLARLQLLEQQVVGGEQAKNKDLKEKHKRR
KRYADERRKQLVAALQNSDEDSGDWVLLNVYDSIQEEVRAKSKLLEKMQRKLRAAEVEIKDLQSEFQLEK
IDYLATIRRQERDSMLLQQLLEQVQPLIRRDCNYSNLEKILRESCWDEDNGFWKIPHPVITKTSLPVVST
GPQNKPARKTSAADNGEPNMEEDRYRLMLSRSNSENIASNYFRSKRASQILSTDARKSLTHHNSPPGLSC
PLSNNSAIPPTQAPEMPQPRPFRLESLDIPFTKAKRKKSKSNFGSEPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM_020816

**ORF Size:** 1014 bp

| | |
|---|---|
| **Buffer:** | PBS with 0.001% Pluronic F68 |
| **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:** | NM_020816.1 |
| **RefSeq Size:** | 4003 bp |
| **RefSeq ORF:** | 3090 bp |
| **Locus ID:** | 57576 |
| **UniProt ID:** | Q9P2E2 |
| **Cytogenetics:** | 1p36.12 |
| **MW:** | 115 kDa |