

## Product datasheet for **RC208219A1V**

### Human KMT5A (NM\_020382) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human KMT5A (NM_020382) AAV Particle                              |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | KMT5A                                                             |
| Synonyms:                 | PR-Set7; PR/SET07; SET07; SET8; SETD8                             |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC208219 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTAGAGGCAGGAAGATGTCCAAGCCCCGCGCGGTGGAGGCGGCGGCGGCGGCGGCGGTGGCAG  
CGACGGCCCCGGGCGGAGATGGTGGAGCGGAGGGGCCGGGAGGCCCCGCACCGACGGGAGAACGT  
ATTTACCGGGCAGTCAAAGATCTATTCTACATGAGCCGAACAAATGCTCTGGAATGCGTTTCCCCCTT  
CAGGAAGAGAACTCAGTTACACATCACGAAGTCAAATGCCAGGGGAAACCATTAGCCGGAATCTACAGGA  
AACGAGAAGAGAAAAGAAATGCTGGGAACGCAGTACGGAGCGCCATGAAGTCCGAGGAACAGAAGATCAA  
AGACGCCAGGAAAGGTCCCCTGGTACCTTTTCCAAACCAAAATCTGAAGCAGCAGAACCTCCAAAAACT  
CCACCCTCATCTTGTGATTCCACCAATGCAGCCATCGCCAAGCAAGCCCTGAAAAAGCCCATCAAGGGCA  
AACAGGCCCCCGAAAAAAGCTCAAGGAAAAACGCAACAGAATCGAAACTTACGGATTTCTACCCTGT  
CCGAAGGAGCTCCAGGAAGAGCAAAGCCGAGCTGCAGTCTGAAGAAAGGAAAAGAATAGATGAATTGATT  
GAAAGTGGGAAGGAAGAAGGAATGAAGATTGACCTCATCGATGGCAAAGGCAGGGGTGTGATTGCCACCA  
AGCAGTTCTCCGGGGTGACTTTGTGGTGAATACCACGGGGACCTCATCGAGATCACCGACGCCAAGAA  
ACGGGAGGCTCTGTACGCACAGGACCTTCCACGGGCTGCTACATGTACTATTTTCAGTATCTGAGCAAA  
ACCTACTGCGTGGATGCAACTAGAGAGACAAATCGCCTAGGAAGACTGATCAATCACAGCAAATGTGGGA  
ACTGCCAAACCAACTGCACGACATCGACGGCGTACGTCACTCATCCTCATCGCTCCCGAGACATCGC  
GGCTGGGAGGAGCTCCTGTATGACTATGGGGACCGCAGCAAGGCTTCCATTGAAGCCACCCGTGGCTG  
AAGCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC208219 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MARGRKMSKPRAVEAAAAAATAATAPGPEMVERRGPRPRTDGENVFTGQSKIYSYMSPNKCSGMRFPPL<br/> QEENSVTHHEVKCQGKPLAGIYRKREEKRNAGNAVRSAMKSEEQKIKDARKGPLVPFPNQKSEAAEPPKT<br/> PPSSCDSTNAAIKQALKKPIKGKQAPRKAQGKTQQNRKLTDFYPVRRSSRKSKAELQSEERKRIDELI<br/> ESGKEEGMKIDLIDGKGRGVIATKQFSRGDFVVEYHGDLIEITDAKKREALYAQDPSTGCYMYFYQLSK<br/> TYCVDATRETNRLGRLINHSCGCNCQTKLHDIDGVRHLILIASRDIAAGEELLYDYGDRSKASIEAHPWL<br/> KH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:             | NM_020382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ORF Size:         | 1056 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:           | <a href="#">NM_020382.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:      | 2765 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq ORF:       | 1059 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:         | 387893                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:       | <a href="#">Q9NQRI</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cytogenetics:     | 12q24.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MW:               | 39.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |