

## Product datasheet for RC204123A1V

### Human HEMK2 (N6AMT1) (NM\_182749) AAV Particle

#### Product data:

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| Product Type:             | AAV Particles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product Name:             | Human HEMK2 (N6AMT1) (NM_182749) AAV Particle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Symbol:                   | HEMK2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms:                 | C21orf127; HEMK2; KMT9; m.HsaHemK2P; MTQ2; N6AMT; PRED28; PrmC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ORF Nucleotide Sequence:  | >RC204123 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s)<br><br>TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGGCAGGGGAGAACTTCGCTACGCCGTTCCACGGGCACGTGGGCCGCGCGCCTTCAGCGACGTGTACG<br>AGCCCGCGGAGGACACGTTTCTGCTTTTGGACGCGCTCGAGGCAGCGGCTGCCGAACGGCAGGAGTGGA<br>AATATGCCTGGAAGTAGGGTCAGGGTCTGGTGTAGTATCTGCATTCTAGCCTCTATGATAGGCCCTCAG<br>GCTTTGTACATGTGCACTGATATCAACCCTGAGGCAGCAGCTTGTACCCTAGAGACAGCAGCTGTAACA<br>AAGTTCACATTCACCCAGTTATTACAGATTTGGTAGGAAGTACGGAATAGAGGCAGCTTGGGCTGGTGG<br>CAGAAATGGTCGGGAAGTCATGGACAGGTTTTTCCCCTGGTTCCAGATCTCCTTTACCAAGAGGATTA<br>TTCTATTTAGTTACCATTAAAGAAAACAACCCAGAAGAAATTTTGAATAATGAAGACAAAAGGTCTGC<br>AAGGAACCACTGCACTTTCCAGACAAGCAGGCCAAGAACTCTTCAGTCCTCAAGTTCACCAAGTCT<br><br>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAGGTTTAA<br><br>>RC204123 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MAGENFATPFHGHVGRGAFSDVYEPADTFLLLDALAAAAELAGVEICLEVSGSGVVSFAFLASMIGPQ<br>ALYMCTDINPEAACTLETARCNKVHIQPVITDLVSGHIEAAWAGGRNGREVMDRFFPLVPDLLSPRGL<br>FYLVTIKENNPPEILKIMKTKGLQGTALSRQAQETLSVLKFTKS<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Protein Sequence:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Serotype:                 | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |


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| ACCN:         | NM_182749                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:     | 558 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:       | <u><a href="#">NM_182749.2</a></u> , <u><a href="#">NP_877426.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq Size:  | 926 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq ORF:   | 561 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:     | 29104                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt ID:   | <u><a href="#">Q9Y5N5</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 21q21.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:           | 19.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |