

## Product datasheet for **RC200874A1V**

### Human DNA Polymerase epsilon (POLE3) (NM\_017443) AAV Particle

#### Product data:

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| Product Type:             | AAV Particles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Name:             | Human DNA Polymerase epsilon (POLE3) (NM_017443) AAV Particle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Symbol:                   | DNA Polymerase epsilon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms:                 | CHARAC17; CHRAC2; CHRAC17; p17; YBL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | <p>&gt;RC200874 ORF sequence</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC<b>CGGATCGCC</b></p> <p>ATGGCGGAGAGGCCCGAGGACCTAAACCTGCCAATGCCGTGATCACCAGGATCATCAAGGAGGCGCTCCCGGACGGTGTC AACATCTCCAAGGAGGCCCGGAGCGCCATCTCCGCGCCGCCAGCGTCTTCGTGCTGTACGCCACATCCTGTGCTAACAACTTTGCAATGAAAGGAAAGCGGAAGACGCTGAATGCCAGTGATGTGCTCTAGCCATGGAAGAGATGGAGTTCAGCGGTTTCGTTACCCATTGAAAGAAGCTCTGGAAGCATATAGGCGGAGCAGAAAGGCAAGAAGGAGGCCTCAGAGCAAAAGAAGAAGGACAAAGACAAAAACAGACTCGGAAGAGCAAGACAAGAGCAGGGATGAGGACAATGATGAAGACGAAGAAAGGCTGGAAGAAGAAGACAGAATGAAGAGGAAGAAGTAGACAAC</p> <p><b>ACGCGT</b>ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p> |
| Protein Sequence:         | <p>&gt;RC200874 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAERPDLNLPNAVITRIIKEALPDGVNISKEARSAISRASVFVLYATSCANNFAMKGKRKTLNASDVL<br/>SAMEEMEFQRFVTPLKEALEAYRREQKGKKEASEQKKDKDKKTDSEEQDKSRDEDNDEERLEEEEQN<br/>EEEEVDN</p> <p><b>TR</b>TRPLE<b>QKL</b>ISEEDLAANDILDYKDDDDKV</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Serotype:                 | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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| <b>ACCN:</b>         | NM_017443                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 441 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><a href="#">NM_017443.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 2288 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 444 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>     | 54107                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <u><a href="#">Q9NRF9</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 9q32                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>           | 16.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |