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# Product datasheet for RC221970A1V

## Human ZAK (MAP3K20) (NM_016653) AAV Particle

### Product data:

| | |
|---|---|
| **Product Type:** | AAV Particles |
| **Product Name:** | Human ZAK (MAP3K20) (NM_016653) AAV Particle |
| **Tag:** | Myc-DDK |
| **Symbol:** | ZAK |
| **Synonyms:** | AZK; CNM6; MLK7; mlklak; MLT; MLTK; MLTKalpha; MLTKbeta; MRK; pk; SFMMP; ZAK |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:**

>RC221970 representing NM_016653
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTCTCTCGGTGCCTCCTTTGTGCAAATTAAATTTGATGACTTGCAGTTTTTTGAAAACTGCGGTG
GAGGAAGTTTTGGGAGTGTTTATCGAGCCAAATGGATATCACAGGACAAGGAGGTGGCTGTAAAGAAGCT
CCTCAAAATAGAGAAAGAGGCAGAAATACTCAGTGTCCTCAGTCACAGAAACATCATCCAGTTTTATGGA
GTAATTCTTGAACCTCCCAACTATGGCATTGTCACAGAATATGCTTCTCTGGGATCACTCTATGATTACA
TTAACAGTAACAGAAGTGAGGAGATGGATATGGATCACATTATGACCTGGGCCACTGATGTAGCCAAAGG
AATGCATTATTTACATATGGAGGCTCCTGTCAAGGTGATTCACAGAGACCTCAAGTCAAGAAACGTTGTT
ATAGCTGCTGATGGAGTATTGAAGATCTGTGACTTTGGTGCCTCTCGGTTCCATAACCATACAACACACA
TGTCCTTGGTTGGAACTTTCCCATGGATGGCTCCAGAAGTTATCCAGAGTCTCCCTGTGTCAGAAACTTG
TGACACATATTCCTATGGTGTGGTTCTCTGGGAGATGCTAACAAGGGAGGTCCCCTTTAAAGGTTTGGAA
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GTTTTGCTGAACTGTTACATCAGTGTTGGGAAGCTGATGCCAAGAAACGGCCATCATTCAAGCAAATCAT
TTCAATCCTGGAGTCCATGTCAAATGACACGAGCCTTCCTGACAAGTGTAACTCATTCCTACACAACAAG
GCGGAGTGGAGGTGCGAAATTGAGGCAACTCTTGAGAGGCTAAAGAAACTAGAGCGTGATCTCAGCTTTA
AGGAGCAGGAGCTTAAAGAACGAGAAAGACGTTTAAAGATGTGGGAGCAAAAGCTGACAGAGCAGTCCAA
CACCCCGCTGCTGCCTTCCTTTGAGATTGGTGCATGGACGGAAGACGATGTGTATTGTTGGGTTCAGCAG
CTCGTCAGAAAAGGTGACTCTTCAGCAGAGATGAGTGTATATGCAAGCTTGTTTAAAGAAAACAACATTA
CAGGGAAGCGGCTGCTGCTGCTGGAGGAAGAAGACCTGAAAGACATGGGCATTGTCTCCAAGGGGCATAT
CATTCACTTCAAGTCAGCCATTGAGAAATTAACCCATGATTACATAAATTTGTTTCACTTCCCACCACTA
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ACAAAGCCACCATTTGTAATGGAGAAGTGGATTGTAGGAATAGCAAAAAGTCAGACTGTGGAGTGCACTG
TCACATATGAGAGTGATGTTAGAACTCCAAAAAGCACTAAACATGTCCATTCGATTCAGTGGAGTAGAAC
AAAACCTCAGGATGAAGTGAAAGCAGTCCAACTTGCCATTCAGACATTATTCACCAATTCAGATGGCAAC
CCTGGAAGCAGGTCCGACTCAAGTGCTGATTGCCAGTGGTTAGATACTCTGAGGATGCGGCAGATTGCAT
CCAACACTTCTTTACAGCGTTCCCAGAGCAATCCTATTCTGGGGTCACCGTTCTTCTCACACTTTGATGG
CCAGGATTCCTACGCTGCTGCTGTGAGACGGCCCCAGGTGCCCATTAAGTATCAACAGATTACACCTGTG
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CTAGGGACAGTGGCTTTTCCAGTGGCAATACTGACACCTCTTCAGAGAGGGGTCGATACTCAGACAGAAG
CAGGAACAAATATGGACGTGGTAGTATATCACTCAATTCTTCTCCTAGAGGAAGATACAGTGGAAAGAGT
CAGCATTCCACTCCTTCAAGAGGAAGATACCCTGGAAAGTTCTACAGGGTTTCTCAGTCAGCACTCAATC
CTCACCAGTCGCCTGACTTCAAGAGAAGCCCCAGGGACCTCCACCAACCCAACACCATACCAGGGATGCC
TTTGCACCCTGAGACTGACTCAAGAGCCAGTGAAGAGGACAGCAAAGTCAGCGAAGGGGGCTGGACAAAA
GTGGAATACCGGAAAAAGCCCCACAGGCCATCTCCCGCCAAAACCAATAAAGAGAGAGCCAGAGGGGACC
ACCGTGGATGGAGAAACTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221970 representing NM_016653
Red=Cloning site Green=Tags(s)

MSSLGASFVQIKFDDLQFFENCGGGSFGSVYRAKWISQDKEVAVKKLLKIEKEAEILSVLSHRNIIQFYG
VILEPPNYGIVTEYASLGSLYDYINSNRSEEMDMDHIMTWATDVAKGMHYLHMEAPVKVIHRDLKSRNVV
IAADGVLKICDFGASRFHNHTTHMSLVGTFPWMAPEVIQSLPVSETCDTYSYGVVLWEMLTREVPFKGLE
GLQVAWLVVEKNERLTIPSSCPRSFAELLHQCWEADAKKRPSFKQIISILESMSNDTSLPDKCNSFLHNK
AEWRCEIEATLERLKKLERDLSFKEQELKERERRLKMWEQKLTEQSNTPLLPSFEIGAWTEDDVYCWVQQ
LVRKGDSSAEMSVYASLFKENNITGKRLLLLEEEDLKDMGIVSKGHIIHFKSAIEKLTHDYINLFHFPPL
IKDSGGEPEENEEKIVNLELVFGFHLKPGTGPQDCKWKMYMEMDGDEIAITYIKDVTFNTNLPDAEILKM
TKPPFVMEKWIVGIAKSQTVECTVTYESDVRTPKSTKHVHSIQWSRTKPQDEVKAVQLAIQTLFTNSDGN
PGSRSDSSADCQWLDTLRMRQIASNTSLQRSQSNPILGSPFFSHFDGQDSYAAAVRRPQVPIKYQQITPV
NQSRSSSPTQYGLTKNFSSLHLNSRDSGFSSGNTDTSSERGRYSDRSRNKYGRGSISLNSSPRGRYSGKS
QHSTPSRGRYPGKFYRVSQSALNPHQSPDFKRSPRDLHQPNTIPGMPLHPETDSRASEEDSKVSEGGWTK
VEYRKKPHRPSPAKTNKERARGDHRGWRNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM_016653

**ORF Size:** 2400 bp

**Buffer:** PBS with 0.001% Pluronic F8425

**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_016653.1

**RefSeq Size:** 3767 bp

**RefSeq ORF:** 2403 bp

**Locus ID:** 51776

**UniProt ID:** Q9NYL2

**Cytogenetics:** 2q31.1

**MW:** 91 kDa