

## Product datasheet for **RC230416A1V**

### Human Kaiso (ZBTB33) (NM\_001184742) AAV Particle

#### Product data:

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Product Type:             | AAV Particles                                    |
| Product Name:             | Human Kaiso (ZBTB33) (NM_001184742) AAV Particle |
| Tag:                      | Myc-DDK                                          |
| Symbol:                   | ZBTB33                                           |
| Synonyms:                 | ZNF-kaiso; ZNF348                                |
| Mammalian Cell Selection: | None                                             |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                       |



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## ORF Nucleotide Sequence:

>RC230416 representing NM\_001184742  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGTAGAAAAGTATTTCTGCTACAGACATTCAGTACTCTGGCAGTCTGCTGAACCTCTGAATG  
 AGCAACGTGGCCATGGACTCTTCTGTGATGTTACCGTTATTGTGGAAGACCGAAAATTCGGGCTCACAA  
 GAATATTCTTTTCTAGTCTTCTAGTACCTACTTCCATCAGCTCTTCTCTGTTGCTGGGCAAGTTGTTGAAGT  
 AGCTTTATAAGAGCAGAGATCTTTCAGAAAATCTCAATTATATCTATAGTTCTAAAATTTGTTCTGTGTTA  
 GATCAGATTTGCTTGTGAGTTAATTAATCAGGGCAGTTATTAGGAGTGAAATTTATAGCAGAGCTTGG  
 TGTCCCATTTGTCAGAGTTAAAGCATCTCAGGTACAGCGCAGGATGGTAATACTGAGCCTTTACCTCCT  
 GATTCTGGTGACAAGAACCTTGAATACAGAAATCAAAAGATGAAGCCCAAGATAATGGGCTACTATAA  
 TGCCTATTATAACAGAGTCTTTTTCATTATCTGCCGAAGATTATGAAATGAAAAAGATCATTGTTACCGA  
 TTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT  
 AATAACACAGTGGCACAGGTCCAATCTAACCAGGCCCTGTTGCTATTTTCAGATGTTGCACCTAGTGCTA  
 GCAATAACTCGCCCCCTTTAACAATATCACACCTACTCAGAACTTCTACTCTGTGAATCAGGCAAC  
 TTTGAGCCAAACACAAGGAAGTAAAAATTTGTTGGTATCTTCAGCTCCAACACATCTGACTCCCAATATT  
 ATTTTGTAAATCAGACACCACTTTCTACACCACCAATGTCAGTTCTTCACTTCCAAATCATATGCCCT  
 CTTCAATCAATTTACTTGTGAGAATCAGCAGACCAAAACAGTGCTATTTTAACAGGAAACAAGGCCAA  
 TGAAGAGGAGGAGGAGGAAATAATAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT  
 AGTAATACATCTTTGGTCCACAGGCTGATACCTCCAAAATACCAGTTTGTGGATCATTAAATACAGA  
 AGATGCAGATTCTACACTTCTCAAGAACCCTTTCCAATTCCTTAAAAATTTTCAGATATAATTACTAG  
 AAATACTAATGATCCAGGCGTAGGATCAAAACATCTAATGGAGGGTCAGAAGATCATTACTTTAGATACA  
 GCTACTGAAATTGAAGGCTTATCGACTGGTTGCAAGGTTTATGCAAAATATCGGTGAAGATACTTATGATA  
 TAGTGATCCCTGTCAAAGATGACCCTGATGAAGGGGAGGCCAGACTTGAGAATGAAATACCAAAAACGTC  
 TGGCAGCGAGATGGCAAAACAACGTATGAAAGTAAACATGATGATCACTATGAGTTAATAGTAGATGGA  
 AGGGTCTATTATATCTGTATTGTATGCAAAAGGTCATATGTCTGTCTGACAAGCTTGGGAGACATTTTA  
 ACATTCATTCTTGGGAGAAGAAGTATCCGTGCCGTTACTGTGAGAAGGTATTTCTCTTGCAGAATATCG  
 CACAAAGCATGAAATTCATCACACAGGGGAGCGAAGGTATCAGTGTGCTGGCCTGTGGCAATCTTTCATC  
 AACTATCAGTTTATGTCTTCACATATAAAGTCAGTTTCATAGTCAAGATCCTTCTGGGGACTCAAAGCTTT  
 ATCGTTTACATCCATGCAGGTCTTTACAAATCAGACAATATGCATATCTTTCCGATAGATCAAGCACTAT  
 TCCTGCAATGAAGGATGATGGTATTGGGTATAAGGTTGACACTGGAAAAGAACCTCCAGTAGGGACCACT  
 ACATCTACTCAGAAACAGCAATGACCTGGGAAGATATTTTATTTCAGCAGGAAAATGATTCAATTTTAA  
 AACAAATGTAACAGATGGCAGTACTGAGTTTGAATTTATAATACCAGAGTCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC230416 representing NM_001184742</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MESRKLISATDIQYSGSLLNSLNEQRGHGLFCDVTIVIEDRKFRHKNILSASSTYFHLFSVAGQVVEL<br/> SFIRAEIFAEILNYIYSSKIVRVSDLLDELIKSGQLLGVKFIAELGVPLSQVKSISGTAQDGNTEPLPP<br/> DSGDKNLVIQSKDEAQNATIMPIITESFSLSAEDYEMKKIIVTDSDDDDDDVIFCSEILPTKETLPS<br/> NNTVAQVQSNPGPVAISDVAPSASNNSPPLTNITPTQKLPTPVNQATLSQTQGSEKLLVSSAPHTLTPNI<br/> ILLNQTPPLSTPPNVSSSLPNHMPSSINLLVQNQQTPNSAILTGNKANEIIIDDDDDTISSSPDSAV<br/> SNTSLVPQADTSQNTSFDGSLIQKMQUIPTLLQEPLSNLSKISDIITRNTNDPGVGSKHLMEGQKIITLDT<br/> ATEIEGLSTGCKVYANIGEDTYDIVIPVKDDPDEGEARLENEIPKTSSEMANKRMVKHDDHYELIVDG<br/> RVYYICIVCKRSYVCLTSLRRHFNHSWEKKYPCRYCEKVFPLAEYRTKHEIHHTGERRYQCLACGKFSFI<br/> NYQFMSSHIKSVHSQDPSGDSKLYRLHPCRSLLQIRQYAYLSRSTIPAMKDDGIGYKVDTGKEPPVGT<br/> TSTQNKPMTWEDIFIQQENDSIFKQNVTDGSTEFEFIIPESY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ACCN:             | NM_001184742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORF Size:         | 2016 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer:           | PBS with 0.001% Pluronic F9770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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>NM_001184742.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq ORF:       | 2019 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 10009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:       | <u>Q86T24</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cytogenetics:     | Xq24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MW:               | 74.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |