

Product datasheet for **RC221274A1V**

Human ZNF594 (NM_032530) AAV Particle

Product data:

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|-----------------------|----------------------------|
| Product Type: | AAV Particles |
| Tag: | Myc-DDK |
| Symbol: | ZNF594 |
| Mammalian Cell | None |
| Selection: | |
| Vector: | pAAV-AC-Myc-DDK (PS100089) |



ORF Nucleotide Sequence: >RC221274 ORF sequence, **codon optimized**.
Due to the complexity of NM_032530, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGAATGAAATCTAAAATGGAGATCAGCGAAGAGAAGAAGTCCGCTAGGGCCCGCAGTGAAAGC
TCCAGCGGCAGATCACCAAGAGTGTGAACCTCGTGGAGACTTCCAATTCGAAGATCGGCTGCTGAAGCA
CTGGGTGAGCCCGCTGAAGGACCCATGCGGCACCTGCCATCCCAGGAAAGCGGTATCAGAGAGATGCAT
ATAATTCCTCAGAAGCCATCGTGGGTGAGATCGGCCACGGCTGTAAAGAGGTGAAAAACCTTCAATCGATCCTCC
CCGAGGAAAGCTCCACCGCTATGAAGTATCAGGTGAGAACTTCAAACAAAAGAGTGGGTTGACAGAGCA
CCAGAAGATCCATAATATAAAATAAACGTATGAGTGTAAAGAGTGTGAAAAACCTTCAATCGATCCTCC
AACCTGATCATTATCAGCGGATTCACACCGGGAACAAGCCATATGTCTGCAATGAATGCGGAAAGGACT
CAAATCAGTCTCAAACCTGATAATTCACAGAGGATCCACACCGGCAAAAAACCTTATATTTGTCATGA
GTGTGGCAAGGACTTCAATCAGTCATCTAATCTGGTGGGCACAAAACAGATCCATTCTGGAGGCAACCCA
TACGAATGCAAAGAATGCGGTAAAGGCAATCAAAGGATCATCCAACCTTGTCTCCACAGCGCATTCACT
CACGGGAAAAGCCCTACCTGTGCAATAAATGTGGCAAAGCCTTTAGCCAGAGCAGGACCTCATTATCCA
TCATCGAATACACACCGGAGAAAAGCCTTATGAATGCTATGACTGCGGCCAAAATGTTTTCCCAATCTTCC
CACCTGTTCCCAACGCATACACACCGGGAGAAAACCCCTGAAGTCAACGAATGTGAGAAGGCCCT
TCAGACAGCATTCTCACCTCACAGAGCATCAGCGATTGCACAGCGGTGAGAAGCCCTATGAGTGCCATCG
ATGTGGGAAGACTTTCTCTGGCCGGACTGCCTTCTTAAACATCAGAGGTTGCATGCCGGTAAAAAATT
GAAGAGTGCAAAAGAGCCTTTTCCAAGATGAAGAAGTGGGGAGGAGCAGCGCATCCACAGGAAGAGA
AGGCATACTGGTGAACCAAGTGTGGTCGGAATTTCCAAGTACCAGTGTCTGATAAGGCACCAGGTGAC
CCATACCGGTGAGAAGCCCTACGAATGCAAGGAGTGTGGGAAAAACATTTAATCAGTCATCTGATCTTCTT
CGGCACCATCGCATTCTTCCGGAGAGAAGCCCTGTGTTTGTCTCCAAATGCGGAAAAAGCTTTCCGCGCA
GCAGCGACTTGATCAGGCATCACAGGTGCACACAGGAGAGAAGCCGTATGAGTGTCCGAATGCGGGAA
GGCATTAGCCCAACGCAGCCATCTCGTGACCCACCAGAAGATTACACAGGCGAGAAAACCTTACCAGTGT
ACTGAGTGGGTAAGCCCTCCGACGCGGTCCCTTCTTATTACAGCACCAGCGCATTACAGCGGTGAGA
AGCCATATGAGTGTAAAGAATGTGGTAAACTGTTCAATTTGGCGCACCGCATTCTGAAGCACCAGAGCTT
GCATACCGGTGAGAAGCTGGAGTGCAGAAAGACATTTAGTCAGGACGAGGAGCTCAGAGGTGAGCAGAAA
ATTCATCAAGAGGCAAAGGCTTACTGGTGAATCAGTCCGGGAGAGCCTTTCCAGGGAGCTCCGATCTGA
TCCGACACCAGGTGACACACACAGGAGAGAAGCCCTACGAATGTAAGAGAGTGTGGCAAAAACATTCACCA
GAGCTCCGACCTTCTGCGGCACCACAGGATCCACTCAGGGGAAAAACCTACGTGTGCAATAAGTGTGGG
AAGTCAATCAGGGGAAGCAGTGTCTGATCAAACACCACCGCATTACACAGGAGAAAAGCCATATGAGT
GCAGTGAATGTGGGAAGCATTAGTACAGAGATCCACCTGGCTACCCACCAAAAAATTCACACGGGCGA
AAAGCCTTATCAGTGTCTGAATGTGGCAATGCTTCCGACAGGCGATCCCTGCTGATCCAGCATAGGAGG
CTCCATTCTGGAGAGAAGCCCTATGAGTGCAAAAGTGTGGGAAACTGTTCAATGTGGCACACAGCTTTTC
TGAAGCACCAGCGCTCCACGAGGAGAGAAGCTCGAAGAGTGTGAAAAACATTTTCTAAAGACGAGGA
ACTGCGGAAGGAGCAGCGGACCCACCAGGAAAAAAGGTGATTGGTGAACCAATGCTCTCGCACATTC
CAGGGGTCTTCTGACCTCATCAGGCATCAGGTGACTCATACAGAGAGAACCCTATGAGTCAAGGAAT
GTGAAAGACTCAGAGTGTGCGACCCTCCGAAACTAGC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Protein Sequence: | >RC221274 representing NM_032530 Red=Cloning site Green=Tags(s) MKEWKSMEISEEKKSARAASEKLQRQITQECELVETSNSDRLLKHWVSPLKDAMRHLPSQESGIREMH IIPQKAIVGEIGHGCNEGEKILSAGESSHRYEVSGQNFQKQSGLTEHQIHNINKTYECKEKEKTFNRSS NLI IHQRIHTGNKPYVCNECGKDSNQSSNLI IHQRIHTGKKPYICHECGKDFNQSSNLVRHKQIHSGGNP YECKEKGKAFKSSNLVLHQRIHSRGKPYLCNKCGKAFSQSTDLI IHHRHTGKPYECYDCGQMFQSS HLVPHQRIHTGKPLKCNCEKAFRQHSHTLHQRLHSGEKPYECHRCKGTFSGRTAFLKHQRLHAGEKI EECKEFTSKDEELREEQRIHQEKAAYWCNQCGRNFQGTSDLIRHQVTHTGKPYECKEKGKTFNQSSDLL RHHRIHSGEKPCVCSKCGKSFGRSSDLIRHHRVHTGKPYECSECGKAFSQRSHLVTHQKIHTGKPYQC TECGKAFRRRSLLIQHRRHSGEKPYECKEKGKFIWRTAFLKHQSLHTGKLECEKTFSQDEELRGEQK IHQEAAYWCNQCGRAFQGSDDLIRHQVTHTREKPYECKEKGKTFNQSSDLLRHHRIHSGEKPYVCNKCG KSFRGSSDLIKHHRHTGKPYECSECGKAFSQRSHLATHQKIHTGKPYQCSECGNAFRRRSLLIQHRR LHSGEKPYECKEKGKLFMWHATAFLKHQRLHAGEKLECEKTFSKDEELRKEQRTHQEKKVYWCNQCSRTF QGSDDLIRHQVTHTREKPYECKEKGKTSSELRPSETS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Species: | Human |
| Serotype: | AAV-2 |
| ACCN: | NM_032530 |
| ORF Size: | 2421 bp |
| Buffer: | PBS with 0.001% Pluronic F8314 |
| 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_032530.1 , NP_115919.1 |
| RefSeq Size: | 4863 bp |
| RefSeq ORF: | 2424 bp |
| Locus ID: | 84622 |
| UniProt ID: | Q96JF6 |
| Cytogenetics: | 17p13.2 |
| MW: | 93.9 kDa |