

Product datasheet for **RC224296A1V**

Human ZNF506 (NM_001099269) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	ZNF506
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC224296 ORF sequence, **codon optimized**.
Due to the complexity of NM_001099269, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGCGCGTGCAGTTCCGGGACGTCGCTATCGAGTTCAGCCTGGAGGAGTGGCACTGCCTGGACGCCG
CCCAACGAAACCTCTACCGCGACGTAATGCTGGAGAACTATAGAAATCTGATTTTCTGGGAATCGTAGT
GTCCAAGCCTAATCTGATAACATGCCTCGAACAGGGCAAAAAGCCGCTTACAATGAAGCGGCACGAGATG
ATTGCAAAGCCTCCCGTCATGTAATCTCACTTCGCCAGGACCTCTGGTCAGAGCAGTCTATCAAGGACT
CTTTTCAAAAAGTGATCTCCGAGATACGAGAAAGTGCAGGCACGACAATCTGCAGCTTAAGAAGGGCTG
CGAATCAGTGGACGAATGTCCGGTCCACAAGCGCGGCTATAACGGCCTGAAACAGTGCCTTGCTACAACA
CAGCGCAAAATATTCAGTGCAGCAATATGTGAAGTTCCTCCACAAATTTAGTAACAGCAATAAGCACA
AAATTAGGGACACGGGAAAAAGTCTTTAAATGCATCGAGTATGGTAAACATTTAATCAATCTTCAAC
TAGGACTACTTACAAGAAGATAGACGCCGGCGAGAAGAGGTACAAGTGTGAGGAGTGCGGTAAAGCATA
AAGCAGAGCTCCCATCTGACCAACCCATAAAAAGATCCATACTGGAGAGAAACCATAAAATGTGAAGAAT
GCGGGAAGCTTATAAGCAATCCTGCAACCTCACTACACACAAGATTATACACACAGGCGAAAAGCGTA
CCGCTGTCGGAATGTGGAAGGCTTTAATCATCCAGCCACTCTTTCAGCCACAAGAAATTCACACA
GGAGAGAAACCTACAAATGTGACAAGTGTGGCAAGGCATTTATCTTCTTCTACACTCACTAAGCATG
AAATTATTCACACAGGGGAAAAACCTATAAATGCGAGGAATGTGGAAGGCTTTAATAGGAGCTCAA
CCTGACAAAACATAAGCGAATTCACACAGGTGACGTTCCCTATAAGTGTGACGAGTGCGGGAAGACCTTC
ACGTGGTACAGTAGCTTGTCCAAGCATAAAGAGCCCCACACTGGAGAAAAGCCGTATAAGTGTGAGGAGT
GTGGGAAAGCTTTCACAGCCTTCAGCACACTCACGGAGCACAAAATCATACACTGGAGAAAAGCCCTA
TAAGTGCAGGAGTGCAGAAAAGCCTTAACTGGTCATCAGCTCTGAACAAACACAAAAGATTATATA
AGACAGAAACCTGTATTGTGAAGAATGTGGAACCTTCTGAATGTGCCACAGCCCCTGATCAGTATCA
GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224296 representing NM_001099269
Red=Cloning site Green=Tags(s)

MGPLQFRDVAIEFSLEEWHLDAQNRNLYRDVMLENYRNLI FLGI VVSKPNLITCLEQGGKPLTMKRHEM
IAKPPVMYSHFAQDLWSEQSIKDSFQKVLRRYEKCRHDNLQLKKGCEVDECPVHKRGYNGLKQCLATT
QRKIFQCDEYVKFLHKFSNSNKHKIRD TGKKSFKCIEYGKTFNQSSSTRTTYKKIDAGEKRYKCEECGKAY
KQSSHLTTHKKIHTGEKPYKCEECGKAYQSCNLTTHKKIHTGEKPYRCRECGKAFNHPATLFSHKKIHT
GEKPYKCDKCGKAFISSSTLTKEIIHTGEKPYKCEECGKAFNRSSNLTKHKRIHTGDVPYKCEECGKTF
TWYSSLSKHKRAHTGEKPYKCEECGKAFTAFSTLTEHKIHTGEKPYKCEECGKAFNWSSALNKHKKIHI
RQKPCIVKNVENLLNVPQLISIR

TRTRPLE**QKL**I**SEED**LA**AND**I**LDYKDDDD**KV

Species: Human

Serotype: AAV-2

ACCN: NM_001099269

ORF Size: 1332 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>NM_001099269.1</u> , <u>NP_001092739.1</u>
RefSeq Size:	3323 bp
RefSeq ORF:	1335 bp
Locus ID:	440515
UniProt ID:	<u>Q5JVG8</u>
Cytogenetics:	19p13.11
MW:	51.5 kDa