

Product datasheet for **RC208080A1V**

Human ZNF70 (NM_021916) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF70 (NM_021916) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF70
Synonyms:	Cos17
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208080 ORF sequence, **codon optimized**.
 Due to the complexity of NM_021916, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGC**

ATGGAGGTACACCCGCGACCAAGTTCGGCGAGACATTTGCTTTCGAGAATCGACTGGAGAGCCAGCAGG
 GCCTCTTCTGGTGAAGACTTGGGGATCCCTTCTTGAAGAGAGAGGCCTGGAACAGATGGCCGTCAT
 TTATAAGGAGATACCCCTGGGGAGCAAGATGAAGAGAATGATGACTACGAGGGAATTTTCCCTCTGC
 TCCAGCCCGTCCAGCATCAGAGTATCCACCTGGCACCCGCCCTCAGGACGATGAGCTGTTTGCCAAA
 CATTTCTGCAAAAGTCCGACTTGTCTATGTGCCAGATTATTCATTAGAGGAGCCCTCCCTGTGATTG
 CGCCGAAACCGACAGAGGCGATTCTGGTCCAAACGCTCCTCATAGAACCCACAGCCGGCTAAACCATAT
 GCTTGTAGGGAGTGTGGAAGCATTTCCTCAGAGTAGCCACCTCTTGCACACCTCGTGATACACACCG
 GAGAAAAGCCGTATGAGTGTGCGAGTGCAGCAAGGCTTTCTCCAAAGTTCTCACCTGCTGAGACACCA
 GATTATCCACACAGGCGAAAAACCTTACGAATGTCGGGAGTGTGGGAAGGCCTTCCGGCAATCCTCTGCA
 TTGACACAACACCAGAAAATCCACACCGCAAGCGACCTTACGAATGTAGAGAGTGTGGAAGATTCTCT
 CTCGGAGCAGTTCTCTGCGAAGCATGAAAGAATACACACCGGAGAGCGACCTACCAGTGCAAGAGTG
 TGGAAAAGTTTCAATCAGAGTTCGGCCTGAGTCAGCACCGGAAGATCCACACGCTGAAAAAGCCTCAT
 GAATGCCGACTTGTGCGGAAAAGCCTTTTGCACCGCAGCCACCTCATACGGCATCAGCGCATCCACACAG
 GAAAGAAGCCCTACAAGTGCAGCAATGTGGCAAGGCATTCTCCAGAGCAGTAACCTGATTGAGCACAG
 GAAAACCTCACACCGGAGAAAAACCTTATAAATGCCAGAAATGTGGCAAGGCTTTCTCCAAAGCAGCTCC
 CTCATCGAACACCAGCGCATTATACAGGTGAGAAACCTTACGAATGCTGCCAGTGCGGCAAGGCCTTCT
 GTCACCTCTCAGCTCTGATACAGCACCAGCGCATCCACACGGTAAGAAGCCGTACACCTGCGAGTGCAG
 CAAAGCTTTCAGGCACAGGAGTGCACTCATCGAACACTACAAAACACACACCAGAGAAAAACCTATGTA
 TGTAACTTGTGTGGCAAGTCCTTAGGGGCAGTTCACATTGATTCGCCATCAGAAGATTCACAGTGGT
 AGAAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208080 representing NM_021916
 Red=Cloning site Green=Tags(s)

MEVPPATKFGETFAFENRLESQQGLFPGEDLGDPFLQERGLEQMAVIYKEIPLGEQDEENDDYEGNFSLC
 SSPVQHQSIIPGTRPQDDELFGQTFLLQKSDLSMCQIIHSEEPSPCDAETDRGDSGPNAPHRTPQPAKPY
 ACRECGKAFSQSSHLLRHLVIHTGEKPYECCECGKAFSQSSHLLRHQIIHTGEKPYECRECGKAFRQSSA
 LTQHQKIHTGKRPYECRECGKDFSRSSSLRKHERIHTGERPYQKECGKSFNQSSGLSQHRKIHTLKKPH
 ECDLCGKAFCHRSHLIRHQRIHTGKKPYKCDECGKAFSQSSNLIEHRKTHTEKPYKQKCGKAFSQSSS
 LIEHQRIHTGEKPYECQCGKAFCHSSALIHQRIHTGKKPYTCECGKAFRHRSALEHYKTHTREKPYV
 CNLCGKSFRGSSHLIRHQKIHSGEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_021916

ORF Size:	1338 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_021916.2, NP_068735.1</u>
RefSeq Size:	6940 bp
RefSeq ORF:	1341 bp
Locus ID:	7621
UniProt ID:	<u>Q9UC06</u>
Cytogenetics:	22q11.23
MW:	50.8 kDa