

Product datasheet for **RC201632A1V**

Human ZNF416 (NM_017879) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF416 (NM_017879) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF416
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201632 ORF sequence, **codon optimized**.
 Due to the complexity of NM_017879, 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)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCGCCGCCGTTCTGCGGGACAGCACTAGTGTTCCTGTCACAGCTGAGGCAAAGCTGATGGGCTTTA
 CTCAGGGCTGTGTCACGTTTGAAGACGTAGCCATCTATTTAGTCAGGAGGAATGGGACTGCTGGATGA
 GGCCCAAAGACTCCTTTATCGAGACGTGATGCTGGAGAACTTCGCACTTATCACAGCCCTGGTATGTTGG
 CACGGAATGGAGGACGAAGAGACTCCGGAACAGAGCGTAAGCGTCGAAGGGTCCCGCAAGTACGAACCC
 CCGAAGCTTCCCCAGCACACAAAAGATCCAGAGTTGCGACATGTGCGTGCCATTTCTCACAGATATACT
 GCACCTGACTGATCTGCCCGGCCAGGAGCTTTACTTGACGGGCGCATGTGCCGTGTTCCACCAGGACCAG
 AAGCACCCTCCGCTGAAAAGCCCTTGGAGTCCGATATGGACAAGGCTAGCTTTGTTCAATGTTGCCCTT
 TTCATGAGTCCGGTATGCCTTTTACAAGTTCTGAGGTCGGAAGGACTTTCTGGCTCCCCTTGGCATCCT
 TCAGCCTCAGGCGATAGCCAATTACGAAAAACCAATAAGATATCTAAATGTGAGGAAGCTTTTCACGTG
 GGGATTAGCCACTACAAATGGTCCCAATGCAGAAGAGAGAGTTCCATAAACATACTTTCTTTACCCCTA
 GAGTTTGACGGGCAAACGGCTGTACGAATCTAGCAATGCGGAAAGGCATGCTGCTGCGAGTGTTCCCT
 TGTGCAACTGCAGCGAGTGCACCCCGGAGAAAGGCCCTATGAATGCTCAGAGTGCGGCAAGAGCTTTTCT
 CAGACATCCACCTGAACGACCACCGGAGAATCCACACAGGGGAAAGACCGTATGTGTGCGGACAATGCG
 GTAAATCATTCTCCAGCGCGCAACCCTCATCAAGCACCATAGAGTGCACACAGGAGAGCGGCCGTACGA
 ATGTGGAGAATGCGGGAAGAGTTTCTCCAGAGTTCCAACCTGATCGAGCACTGTAGGATCCACACCGGG
 GAGCGCCCATACGAGTGCAGAGTGCAGGCAAGCTTTCCGCTCCAAGAGCACCTCTGTGAGACATCAAA
 GAACCCACACGGGTGAGAAGCCCTACGAATGCGGAGAATGCGGCAAACTGTTTCGGCAGTCTTTCAGCCT
 GGTGGTGACACAGAGGATCCACACAACCGCTCGGCCTTACGAATGTGGCAATGCGGTAAGTCTTCTCT
 CTGAAATGCGGGTTGATCCAGCACCAGCTTATCACTCCGGCGCCCGACCATTGAGTGCGATGAGTGCG
 GTAAGTCTTTTCTCAACGCACTACACTCAACAAACATCACAAGTTTACACAGCGGAGCGACCCTATGT
 GTGCGGAGAGTGCAGGAAAGCTTTCATGTTCAAGTCCAACTGGTCAGACATCAACGGACTCATACAGGC
 GAACGCCCTTCGAGTGCAAGCAATGCGGCAAGTTTTTCCGCCAAAGTTACACCTTGGTGGAGCATCAGA
 AAATTCACACTGGTCTGCGACCTACGACTGCGGTGAGTGCAGGAAAGTCTTTCATTGAGAAGAGTTCACT
 CATCCAGCATCAAGTGGTTACACGGGAGAACGCCCTTATGAATGTGGAAGTGCAGGCAAGAGCTTCAGC
 CAGCATTCCGACTTATCCTCCATCGGAAGAGTCACACAGTGGAAGGCCCGAGATTCAAGCAAATGTG
 GGAAGCCCTACAGTCCAGATCTAATATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201632 representing NM_017879 Red=Cloning site Green=Tags(s) MAAAVLRDSTSVPTAEAKLMGFTQGCVTFFEDVAIYFSQEEWGLLDEAQRLLYRDVMLENFALITALVCW HGMEDDEETPEQSVSVGVGPVQRTPEASPTQKIQSCDMCVPFLTDILHLDLPGQELYLTGACAVFHQDQ KHHSAEKPLESDMDKASFVQCCLFHESGMPFTSSEVGKDFLAPLGILQPQAIANYEKPNIKCEEAFHV GISHYKWSQCRRESSHKHTFFHPRVCTGKRLYESKCGKACCCECSLVQLQRVHPGERPYECSECGKSFS QTSHLNDHRRITGERPYVCGQCGKSFSQRATLIKHHRVHTGERPYECGECGKSFSQSSNLIHCRIHTG ERPYECECGKAFGSKSTLVRHQRTHTGEKPYECGECGKLFQSFSLVHQRITHTARPYECGQCGKSFS LKCGLIQHQLIHSGARPFECDECGKSFSQRTTLNKHKKVHTAERPYPVCGECGKAFMFKSKLVRHQRTHTG ERPFECECGKFFRQSYTLVEHQIHTGLRPYDCGQCGKSFIQKSSLIQHQVVHTGERPYECGKCGKSFT QHSGLILHRKSHTVPRDSSKCGKPYSPRSNIV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_017879
ORF Size:	1782 bp
Buffer:	PBS with 0.001% Pluronic F5211
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_017879.1, NP_060349.1</u>
RefSeq Size:	2545 bp
RefSeq ORF:	1785 bp
Locus ID:	55659
UniProt ID:	<u>Q9BWM5</u>
Cytogenetics:	19q13.43
MW:	67.2 kDa