

Product datasheet for **RC212941A1V**

Human ZNF233 (NM_181756) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF233 (NM_181756) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF233
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC212941 ORF sequence, **codon optimized**.
Due to the complexity of NM_181756, 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**

ATGACAAAGTTCCAGGAGATGGTCACTTTTAAGGATGTAGCCGTCGTGTTTACAAGAGAAGAGCTCGGGC
 TGCTTGACCTCGCCCAACGCAAGCTCTATCAGGACGTTATGCTGGAGAATTTAGGAACCTGCTCAGCGT
 CGGCTACCAACCATTCAAAGTGGATGTAATTCTCCAGCTGGGAAAAGAAGATAAGTTGAGAATGATGGAA
 ACCGAAATACAGGGCGACGGATGTTCTGGACACAAAAACCAGAATGAAATTGATACACTTCAAGAGGTTA
 GGCTCAGATTCTGTCTATGAAGACCTGATTTGCTGGCAATCTGGGAGCAATTTACATCCAAGCTGAC
 CAGCAACCAGGATCTGATAATCAACCTGCAGGGAAAACGCAGCAAGCTGCTGAAACAGGGCGATAGCCCG
 TGTCAGGTGTGGACAGGAGAGTCCAGCCAGGTGTCCGAAGATGAAAATTATGTGATCAAGCTGCAGGGCG
 AGTCTCTAACAGCATAAAGAACCAGGAACCTCCTCTCCGACCAACGTGGGATTTCTGGAGAAAGATGTA
 TCTGAGAGAACCACAGAATTACCACTCTCGGTGTGACGAGATTGACGTCAAAAATAAGCTGTGCAAGTGC
 GACCATTTGCGTCAGACAGAGAATAGCACATCAGCACGACGATCACGGGTCCACAAGAGAGAAAAAGGCT
 TCAGCCACAACAACTGCGGAAAGGACTGCGTTAAAGAATCCTCACAGCACTCTATCATCCAGAGTGGCGA
 ACAGACGTCCGACGAGAACGGTAAAGGCTTTCTGTGGGTCCAACTTGAAGTGCACCAAGCACTGCAT
 CTGAGGGACAAGCCACACGTTAACGTGGAATACGGGAAGGGTATTGGGTATTCTTCAGGGCTGCCAAGGC
 ATCAGTGTTTTACATTGGTAAAAATGCTACCGGAACGGCGATTGAGGTGAGGGCTTTTCCAGGGTTC
 ACATCTGCAGCCTCATCAGCGGGTGAGTACCGCGAGAATCTGTACCGCTGTGAGGTGTACGCCAGATCT
 AGTAATCAGAATAGCTGTCTGCCCTCTCAGGAGTACCCATCCAGGCGAAAAGCTTTGTACCTGCGGAA
 GATGTGGGAAAGGTTTTCACTCTCTGGATTTGACATACATTGCGTGGACAGCGCCGGTGAGAGAGC
 TTGTAAGTGCGACGTGTATGACAAGGGTTTTCCAGACATCCCAACTGCAGGCCACCAGCGGGGCCAT
 AGCAGAGATAAAACCTACAAGTGGGAAGTGTGAGTAGGATATTTAACCGGAATAGCGGATTGCACCAAC
 GGGTTACACAGGAGAAAAGCCTTACAAGTGTGAGTTTGCACAAAGGATTTAGCAAAGCGAGTAACCT
 CCAGGCCCAACAGCGAATCCACACAGGGGAGAAGCCATACAAATGCGACGTGTGCGACAAAAATTTAGC
 CGGAACAGCCACCTTCAGGCTCATCAAAGAGTACACACTGGCGAAAAGCCATACAAATGCGATACCTTGCG
 GTAAGGATTTTTCTCAGATTTCCACCTCCAGGCTCACCAACGGGTGCATAAGGGAGAAAAACCGTATAA
 ATGTGAAACCTGCGGCAAGGGTTTTCTCAGTCATCACACCTCCAGGACCATCAACAAGTCCATACTGGG
 GAAATCCGTACAAGTGTGACGTATGTGGTAAAGGCTTCAGCTGGAGCTCCACCTCCAGGCCATCAGA
 GGGTGCATACAGGGGAGAAACCTACAAGTGCAGGAGGTAGGAAGGGGTTTATCTGGAACAGTTACCT
 GCACGTCCACAGCGCATCCACACAGGGGAGAAGCCCTATAAATGCGGAATGTGCGGGAAGTATTACAGC
 CAGACGTACACCTTCAGGCACACCAGAGAGTCCACACTGGGGAGAAGCCCTACAAGTGCTTCGTGTGTG
 GCAAAGGGTTTTCTAAAAGTTCCCTCTCTTCTGATTCCAGTGAAGTCCCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC212941 representing NM_181756 Red=Cloning site Green=Tags(s) MTKFKQEMVTFKDVAVVFTREELGLDLAQRKLYQDVMLENFRNLLSVGYQPFKLDVILQLGKEDKLRMME TEIQGDGCSGHKNQNEIDTLQEVRLRFLSYEDLICWQIWEQFTSKLTSNQDLIINLQGKRSKLLKQGDSP CQVWTGESSQVSEDENYVIKLQGESSNSIKNQELPLRTTWDFWRKMYLREPQNYQSRCQQIDVKNKLCCKC DHCVRQRIAHQHDDHGVHKREKAFSHNNCGKDCVKESSQHSIIQSGEQTSDENGKGLSVGSNLELHQQLH LRDKPHVNVEYKGKIGYSSGLPRHQCFHIGEKCYRNGDSGEGFSQGSHLQPHQRVSTGENLYRCQVYARS SNQNSCLPSHELTHPGEKLCTCGRCGKGFHHS�DFDIHCVDSAGERACKCDVYDKGFSQTSQQLQAHQRGH SRDKTYKWEVSDRIFNRNSGLHQRVHTGEKPYKCEVCDKGFSKASNLQAHQRIHTGEKPYKCDVCDKNFS RNSHLQAHQRVHTGEKPYKCDTCGKDFSQISHLQAHQRVHKGEKPYKCETCGKGSQSSHLQDHQVHTG ENPYKCDVCGKGSWSSHLQAHQRVHTGEKPYKCEECRKGF IWNSYLHVHQRHTGEKPYKCGMCGKSFS QTSHLQAHQRVHTGEKPYKCFVCGKGSKSSLSDDSSESP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_181756
ORF Size:	2010 bp
Buffer:	PBS with 0.001% Pluronic F6958
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_181756.1, NP_861421.1</u>
RefSeq Size:	2806 bp
RefSeq ORF:	2013 bp
Locus ID:	353355
UniProt ID:	<u>A6NK53</u>
Cytogenetics:	19q13.31
MW:	76.9 kDa