

Product datasheet for **RC222778A1V**

Human ZNF607 (NM_032689) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF607 (NM_032689) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF607
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC222778 ORF sequence, **codon optimized**.
 Due to the complexity of NM_032689, 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**

ATGGCTTATGGGAGCATCACATTTGGCGATGTGGCCATCGACTTCTCACACCAGGAATGGGAGTACCTGT
 CTCTGGTGCGAAGACTCTGTACCAAGAAGTGATGATGGAAGAACTATGATAACCTCGTAAGCCTCGCCGG
 CCACAGTGTGTCTAAACCAGATCTGATCACACTTCTTGAGCAGGGCAAAGAGCCATGGATGATCGTCAGA
 GAGGAGACACGGGGGAGTGCACAGACCTTGATTCCAGATGCGAGATTATCTCTGATGGAAGATGCAGC
 TTTACCGAAAACATTCTTGCGTCACGCTTCACCAACGGATACATAACGGACAGAAAGCCATACGAGTGCAA
 ACAGTGCCAGAAATCTTTTTACACCTACCGAGCTGATGGTGCACCAGACCATCCATACTTCAGAGGAG
 CCCGACCAAGTGCAGAGAAGTTTAGGAAGGCGTTTAGTCATCTCACGGATCTGCGAAAACACCAGAAATCA
 ATGCTCGCGAGAAGCCCTATGAGTGTGAGGAGTGCAGGGAAGGTGTTACAGTACCCAGCCAACTGGCACA
 ACACGGCAAGGTGCATGTCGAGAAACCGTACGAATGCAAAGAATGCGGAGAAGCTTTACGAGTTCACGG
 CAGTCACTGTCCACCACCGTTTCATTATGGAGAGAAACCTTACGAGTGCAAGGAGTGCAGGAAAAGCAT
 TTTCCGTCTATGGACGGCTTTCCCGGCACCACTATCCACACCGGTGAAAAACCTTTGAGTGTAAACAA
 ATGCGGCAAGAGCTTTGAGTCAAAGCCGGTCTTAAAGTCCACCAAAGTATTACACCGGGGAAAAACCG
 CACGAGTGCAAGGAGTGTGAAAAAGCTTTTAGGCAGTTACGCCACCTCGTGGGTACAAGCGCATCCACA
 CGGGGAAAAACCTATGAGTGCAAAGAGTGCAGGAAAGGCTTCACTTGTGGTACCAAGTACCATGCA
 CCAGCGGATATACAGCGGAGAGAAACATTACGAGTGCAAGGAGAACGGAAGCCTTCTCCTCAGGACAC
 CAATTGACCGCCCCACACCTTTGAGAGTGTGGAGAAACCATATAAGTGTGAGGAGTGTGGGAAAGCCT
 TCTCTGTGCATGGTAGGTTGACGCGCATCAGGCATACACAGTGGGAAGAAGCCATACGAGTGTAAATA
 GTGCGGAAAATCCTTCGACTTAACTCCAGTCTGAAAATTCACAGAACATTATACCGGCGAGAAGCCT
 TATAAGTGCAAGGAGTGTGAAAGGCTTTCTCCAGCGGGCCACCTCGCTCATCACACAGAATTCATA
 CTGGCTACAAGCCTTTTGAATGCAAGGAGTGCAGCAAGTCTTTCCGGTGCAGATTTATTTGGTATCCA
 TGAGCGGATTCACACAGGGGAGAAGCCGTACGTGTGTCAGGAGTGCAGGAAAGGCTTTAGCTATTTCCAC
 AAAGTACCATCCATCGAGGGTTCACTGGAGAAAAACCTACGAATGCAAAGAATGTGGCAAAGCAT
 TCTCAGTATCCGGCAGCTCACGAGCACCTGTCAATTCATTCTGGTAAACGGCCCTTTGAGTGCAACAA
 GTGTGGAAAATCCTTCGGTTTATTTCCGTACTCAAAGCTACCAAAACATCCACAGCGCTGAAAAACCA
 TACGAGTGCAAAGAGTGCAGGAAGGCATTCCGCCACGCTACAGTCTGATCTACCATGATCGCACCCACG
 CCGGTGAGAAGAGCTATGAATGCAAAGAGTGTGGCGAGACTTTTAGTCATGCTTCACATTTGATTATTCA
 TGAGAGGATACATAAAGCGACAAACCGTACGAGTGCAAGAGGTGCGGCAAAGCCTTCCATTGCGCTAGC
 TACCTCGTGCACACGAATCTGTGCACGCGGACGGGAACCTTACATGTGCGAGGAATGTGGTAAGGCCT
 TCAACAGCAGCCACGAATTTCAATCCACCATAGGGTGCACACCGCGAGAAGCCCTTTAAGTGAATAA
 GTGTGCGAGAAGTTCCGGTTGAGATCAATACTGGAGGTGCACCAGCGCATCCACATC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC222778 representing NM_032689 Red=Cloning site Green=Tags(s) MAYGSITFGDVAIDFSHQEWYLSLVQKTLVQEVMMENYDNLVSLAGHSVSKPDLITLLEQGKEPWMIVR EETRGECTDLDSRCEIISDGKMLYRKHSCVTLHQRIHNGQKPYECKQCQKSFSLTELMVHQTIIHTSEE PDQCEKFRKAFSHLTDLRKHQKINAREKPYECECGKVSYPANLAQHKGKVVHVEKPYECKECGEAFRTSR QLTVHHRFHYGEKPYECKECGKAFSVYGRLSRHQSIHTGEKPFECNCKGKSFRLKAGLKVHQSIIHTGEKP HECKECKGAFRQFSLVGHKRIHTGEKPYECKECGKGFTCRYQLTMHQRIYSGEKHYECKENGEAFSSGH QLTAPHTFESVEKPYKCEECGKAFSVHGRLTRHQGIHSGKKPYECNCKGKSFRLNSSLKIHQNIHTGEKP YKCKECKGAFSQRAHLAHNRIHTGYKPFECKECGKSFRCASYLVIHERIHTGEKPYVCQECGKGFYSYH KLTIHRRVHTGEKPYECKECGKAFSVSGQLTQHL SIHSGKRPFEKNCKGKSFRIISVLKAHQNIHSAEKP YECKECKGAFRHATSLIYHDRTHAGEKSYECKECGETFSHASHLIIHERIHTSDKPYECKRCGKAFFHCAS YLVRHESVHADGNPVMCEECGKAFNSSLHLSIHRVHTGEKPFKCNKRRSFRLRSILEVHQRIHI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_032689
ORF Size:	2088 bp
Buffer:	PBS with 0.001% Pluronic F8563
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_032689.3, NP_116078.3</u>
RefSeq Size:	4327 bp
RefSeq ORF:	2091 bp
Locus ID:	84775
UniProt ID:	<u>Q96SK3</u>
Cytogenetics:	19q13.12
MW:	80.5 kDa