

Product datasheet for **RC214988A1V**

Human ZNF780B (NM_001005851) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF780B (NM_001005851) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF780B
Synonyms:	ZNF779
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC214988 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001005851, 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**

ATGGTGACGGCAGTGTGACGTTTCGCGATGTGGCAATTGATTCAGTCAAGAAGATGGGAATGTCTCC
 AGCCCCACCAAGGACTCTTTATCGAGATGTGATGCTGGAGAATTATTCACACCTTATCTCTCTGGGAAG
 CTCTATCTCCAAGCCGACGTGATAACGCTGCTCGAGCAGGAAAAGGAGCCATGGATCGTGGTGAGCAAG
 GAAACCAGCCGCTGGTATCCTGACCTGGAGTCCAAATATGGACCGGAGAAGATCTCCCCAGAAAACGATA
 TTTTCGAGATTAACTTCCTAAACACGTTATCAAAACAGATATCCAAAACCTTGGGTTTGGAGGCTTTTAA
 CTTCCGAAACGATTACAGATACAGGTCTAGGTTTCGAGGGCCGCCAGGGCCACCGAGGGTTATATAAAC
 CAAAAATCATCTCCTATGAAGAGATGCCGGCTACACCCACGCCAGTCCAATCCACAATACCCACAAGC
 CTTACGAATGCAAAGAGTGCGGAAAGTATTTAGCTGCGGCTCTAACCTCATTACGACCAAAAGTATACA
 CACTGGCGAAAAACCTTATAAGTGTAAGAGTGTGGGAAGGCTTTCACCTGCACATCCAACCTTACTCGG
 CATCAAAAGTTCCATACTGGAGAAAAACATTTGAATGTAAGGAGTGTGGTAAGGCTTCAACCTTCTCA
 CCCAATGAACCGGCATAAAACATTACACTGTAAAGAACTGTTGCAATGCAAAGAATGCGGGAAGAG
 CTTCAACAGAAGCTCTAATCTCACTCAGCACCAGAGCATCCACGCTGGCGTCAAACCTACCAAGTCAAG
 GAATGTGGCAAAGCATTCAACCGGGGCTCTAACTTGATTAGCATCAGAAGATACATCCAATGAGAAGC
 CCTTCGTGTGCCGGGAGTGTGAGATGGCTTTAGGTATCACTACCAGCTGATAGAGCACTGCAGGATTCA
 CACCGGCGAAAAACCTTCGAGTGTAAGAGTGCAGGAAAGCATTACCTGCTGACTAACTGTTTAGG
 CACCAGAAGATACATATGGGTGAGAAACCTTTCGAATGCAGAGAATGTGGTAAAGCGTTTTCATTGCTGA
 ATCAGCTCAACCGGCACAAGAATATCCATACAGGCGAGAAGCCATTTGAATGCAAAGAATGCGGCAAGTC
 CTTCAACCGCTCCTCAAACCTTGATCCAGCATCAATCTATTCATGCCGATGTCAAACCTATGAGTGAAG
 GAGTGTGGTAAAGGATTCAACCGCGGGGCTAACCTCATCCAGCACCAGAAGATACACTCTAACGAGAAAC
 CTTTTGTCTGCAGAGAGTGTGAAATGGCATTCCGGTATCATTATCAGCTGATTCAACACTGCCAAATCCA
 TACGGGAGGAAAAACCTTCGAATGCAAGGAGTGTGGGAAAGCCTTTTCCCTGTTGACCCAGCTTGCTCGA
 CAAAAAACATTACACGGGGGAGAAGCCCTTTGAGTGCAAAGACTGCGGCAAGGCGTTCAATAGGGGGT
 CCAATCTGGTACAACACCACTCCATACACACCGGAGAGAAGCCCTACGAATGCAAAGAATGCGGGAAAGC
 ATTTAGGTTGCACCTGCAGCTCAGCCAGCATGAGAAAACCCCACTGGCGAAAAACCTTTTGAAGTGAAG
 GAATGCGGCAAGTTTTTCAGACGCGGCTCCAACCTGAATCAGCACCAGCATACATACAGGCAAGAAGC
 CTTTTGAGTGCAAAGAGTGCGGAAAGGCTTCCGGTTGCATGCATCTTATTCGACATCAAAAATTCCA
 TACCGGCGAGAAGCCCTTCGAATGCAAGGAATGCGGCAAGCGTTTAGTTGCACACTCAACTGAATCAC
 CAAAAAACATTACATACCGGCGAAAAACCATTCAGTGCAAAGAGTGCGGAAAAATCCTTTAATCGGGTAA
 GTAACCTTGTCAGCATCAGAGCATCCACGCCGAGTCAAGCCCTATGAATGCAAAGAGTGCGGAAAAAGG
 CTTCTCTCGAGTTAGTAACCTGATCCAGCATCAAAAAACATTCAAGCGCGAAGCCGTTTGTGTTGCAAG
 GAGTGCAGAAAAACATTAGATACCACTATCAACTCACTGAGCACTACCGGATTCACTGGAGAGAAAC
 CATTGAGTGTAAGGAGTGCGGAAAGCATTGGGCTGCTGACTCAGCTGGCCCAACATCAAAATCATTCA
 CACGGGCGAGAAACCTTTAAATGCAAGGAATGTGGGAAAGCATTCAACCGCGGAGCAATCTGGTACAG
 CCTCAGTCCATCCACACAGGCGAGAAGCCATACGAGTGTAAAGGAGTGCGGAAAGGCTTTCAGACTGCACC
 TGCAACTGTCTCTTACCAGAAGCTCGTGCAGGTGCGGAATCCACTCAATGTGCGGAATGTAGGACAGCC
 CAGTGACATTTTCAACCTTCTGAACATCAGAAAGTTCATTCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC214988 representing NM_001005851 Red=Cloning site Green=Tags(s) MVHGSVTFRDVAIDFSQEEWECLQPDQRTL YRDVMLENYSHLISLGSSISKPDVITLLEQEKEPWIVVSK ETSRWYPDLESKYGPEKISPENIDIFEINLPKHVIKQISKTLGLEAFYFRNDSEYRSRFEGRQGHQEGYIN QKIISYEEMPAYTHASPIHNTHKPYECKECKGYFSCGSNLIQHQSIIHTGEKPYKCKECKGAFQLHIQLTR HQQFHTGEKTFECKECKGAFNLPTQLNRHKNIHTVKKLFECKECKGSFNRSSNL TQHQSIIHAGVKPYQCK ECGKAFNRGSNLIQHQKIH SNEKPFVCRECEMAFRYHYQLIEHCRIHTGEKPFECKECKRAFTLLTKLVR HQQIHMGEKPFCECKGAFSLLNQLNRHKNIHTGEKPFECKECKGSFNRSSNL IQHQSIIHADVKPYECK ECKGKGFNRGANLIQHQKIH SNEKPFVCRECEMAFRYHYQLIQHCQIHTGGKPFECKECKGAFSLLTQLAR HKNIHTGEKPFECKDCGKAFNRGSNLVQHQSIIHTGEKPYECKECKGAFRLHLQLSQHEKTHTEKPFECK ECKGFFRRGSNLNQHSIHTGKKPFECKECKGAFRLHMLIRHQFHTGEKPFECKECKGAFSLHTQLNH HKNIHTGEKPFCKECKGSFNRVSNLVQHQSIIHAGVKPYECKECKGFSRVSNLIQHQTSSAKPFVCK ECRKTFRYHYQLTEHYRIHTGEKPFECKECKGAFGLLTQLAQHQIHTGEKPFCKECKGAFNRGSNLVQ PQSIHTGEKPYECKECKGAFRLHLQLSLHQKL VQVRNPLNVRNVGQPSDISSNLLNIRKFILG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001005851
ORF Size:	2499 bp
Buffer:	PBS with 0.001% Pluronic F7301
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_001005851.1</u> , <u>NP_001005851.1</u>
RefSeq Size:	8687 bp
RefSeq ORF:	2502 bp
Locus ID:	163131
UniProt ID:	<u>Q9Y6R6</u>
Cytogenetics:	19q13.2
MW:	96.8 kDa