

Product datasheet for **RC220798A1V**

Human ZIC2 (NM_007129) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZIC2 (NM_007129) AAV Particle
Tag:	Myc-DDK
Symbol:	ZIC2
Synonyms:	HPE5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220798 representing NM_007129
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCTCCTGGACGCGGTCCGAGTTCCCGCCATCGGGGTGGCAGCTTCGCGCGCCACCATCACCCT
 CCGCCGCGCGCGCGCGCGCTGCCGCGAGATGCAGGACCGTGAAGTGAAGCTGGCGCGCGCGAGAA
 CGGCTTCGTTGACTCCGCGCGCGCACATGGGAGCCTTCAAGCTCAACCCGGCGCGCACGAGCTGTCC
 CCGGGCCAGAGCTCGGCGTTACGTCGAGGGCCCGCGCCTACCCCGCTCCGCTGCGGCTGCCGCTG
 CGGCGCAGCGCTCGGGCCACGCGCGCACGTTGGCTCCTACTCTGGCGCGCCTTCAACTCCACCCG
 GGACTTCTGTTCGCGAGCGCGGCTTCGGGACTCGGCGCGGGCGCGGGCAGCAGGGCTGTTCGGG
 CCGGGCGCGGGCGGCTGCACCACGCGCACTCGGACGCGCAGGGCCACCTCTCTCCGGGCTGCCAG
 AGCAGCAGGGCCGACGGCTCGCAGAATGTGCTCAACGGGAGATGCGCTCGGGCTGCCGGCGAGGT
 GTTCGGGCGCTCGGAGCAATACCGCCAGGTGGCCAGCCCGCGGACCGACCCCTACTCGGGCGCAACTC
 CACAACAGTACGGCCCCATGAATATGAACATGGGTATGAACATGGCAGCAGCCGCGGCCACCACCACC
 ACCACCACCACCACCACCCGGTGCCTTTTCCGCTATATGCGGCAGCAGTGCATCAAGCAGGAGTAAT
 CTGCAAGTGGATCGACCCGAGCAACTGAGCAATCCCAAGAAGAGCTGCAACAAAATTTTCAGCACCATG
 CACGAGCTGGTGACACAGTCTCGGTGGAGCAGTTCGGCGGCCCGGAGCAGAGCAACCACGTCTGCTTCT
 GGGAGGAGTGTCCGCGCAGGGCAAGCCCTTCAAGGCCAAATACAACTGGTCAACCACATCCGCGTGCA
 CACAGGCGAGAAACCTTCCCTGCCCTTCCCGGCTGTGGCAAAGTCTTCGCGCGCTCCGAGAACCTC
 AAGATCCACAAAAGACCCACACAGGGGAGAAGCCGTTCCAGTGTGAGTTGAGGGCTGCGACCGGCGCT
 TCGCCAACAGCAGCGACAGGAAGAAGCACATGCAGTCCACACCTCCGATAAGCCCTATCTCTGAAGAT
 GTGCGACAAGTCTACACGACCCCAAGTCTGCTGCGGAAGCACATGAAGGTCCATGAGTCTCCCGCAG
 GGCTCTGAATCTCCCGGCGCGCAGTCCGGCTATGAGTCGTCCACGCCCCGGGGCTGGTGTCCCCCA
 GCGCCGAGCCCGAGCAGCTCCAACCTGTCCCGAGCGCGCGGCGAGCGGCGCGGCGGCTGCGCGGC
 GGCGGCCGCGGTGTCCGCGTGCACCGGGCGGAGGCTCGGGCAGTGGCGGCGCGGAGGCGGCTCAGGC
 GGCGGCGAGCGGAGTGGCGGGGCGGCGGCGGGCGGGGCGGCGGCGGCGGCTGTGGCGGGGCA
 CGGGACAGCGGGGTACAGCGGCTCTCTCAACTTCAATGAATGGTACGTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLLDAGPQFPAIGVGSFARHHHHSAAAAAAAAAEMQDREL SLAAAQNGFVDSAAAHMGAFKLNPGAHEL
 PGQSSAFTSQGPGAYPGSAAAAAAAAALGPHAAHVGSYSGPPFNSTRDFLFRSRGFSDSAPGGGQHLFG
 PGAGGLHHAHSDAQGHLLFPGLPEQHGHGPHGSQNVNLNGQMRLGLPGEVFRSEQYRQVASPRTPYSAQ
 HNQYGPMMNMGMNMAAAAHHHHHHHHPGAFRYMRQCQIKQELICKWIDPEQLSNPKKSCNKTFTSTM
 HELVTHVSVHVGPEQSNHVCFWEECPREGKPFKAKYKLVNHIRVHTGEKPFPCPFPGCGKVFARSEN
 KIHKRHTGEKPFQCFEGCDRRFANSSDRKKHMHVHTSDKPYLCKMCDKSYTHPSSLRKHKMHVHESSPQ
 GSESSPAASSGYESSTPPGLVSPSAEPQSSNLSPAAAAAAAAAAAAAVSAVHRGGSGSGGAGGGSG
 GSGSGGGGGGAGGGGGSGGGSGTAGGHSGLSSNFNEWYV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_007129

ORF Size:

1596 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_007129.2</u>
RefSeq Size:	2698 bp
RefSeq ORF:	1599 bp
Locus ID:	7546
UniProt ID:	<u>O95409</u>
Cytogenetics:	13q32.3
MW:	54.8 kDa