

Product datasheet for **RC222964A1V**

Human ZNF25 (NM_145011) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF25 (NM_145011) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF25
Synonyms:	KOX19; Zfp9
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222964 ORF sequence, **codon optimized**.
 Due to the complexity of NM_145011, 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)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGAACAAGTTCCAGGGCCTGTGACCCTGAAGGACGTCATCGTGGAGTTTACCAAAGAAGAATGGAAGC
 TGCTGACCCCGCACAGAGAACCTTGACAAGGATGTGATGCTGGAGAATTATTCTCACCTCGTGTCTGT
 CGGCTACCACGTGAATAAGCCAAATGCGGTGTTTAACTCAAACAAGTAAGGAGCCTTGATTCTGGAG
 GTGGAGTTTCCCATAGGGGATTCCAGAAGACTTGTGGAGCATACAGATCTCGAAGCCCGGTACCAGG
 AGTCACAGGCAGCAACTCTCGGAACGGGGAGCTGACCAAGCACCACAAAGACACATACGACTGAAAAAGC
 TTGCGAGTGCAAGGAGTGCGGCAAGTTCTTTGCCAGAAATCTGCCCTCATAGTTACCAGCACACCCAC
 TCCAAGGGGAAGATTACGACTGCGATAAATGTGGGAAGAGCTTTTCCAAGAACGAGGACCTGATCCGCC
 ACCAAAAAATTCATACGCGGGACAAAACATACGAGTGCAAAGAGTGTAAGAAAGATTTTCTATCATTTGTC
 TTCACCTTCTCGACACCTCCGCACTCACGCCGGCGAGAAACCTTACGAATGCAATCAGTGCGAGAAATCC
 TTCTACCAGAAGCCACATCTGACAGAGCACCAGAAAACACACACTGGAGAGAAGCCTTTCGAGTGACCGG
 AATGTGGGAAGTTCTTCTACGTGAAAGCCTACCTCATGGTGCATCAGAAGACACATACGGGTGAGAAACC
 ATATGAGTGCAAGGAATGTGAAAAGCCTTCTCCAAAAGTCCCATCTTACTGTCCACCAACGAATGCAC
 ACCGGCGAGAAACCTACAAATGTAAGGAGTGCGGCAAGTTCTTCTCACGCAATCCCATCTGAAGACGC
 ACCAGAGTCCCATAACGGAGAGAAACCTACGAATGTAAGAGTGTAAGAAATGCTTCTACAAAAGTC
 AGCACTGACAGTGCAACGAGCAACACATACCGGGGAAAAACGTTTCGAGTGCAATAAGTGCGGGAAAAACC
 TTCTACTATAAGAGCGACCTGACTAAACACCAAGAAAGCACACCGGAGAGAAGCCATATGAGTGTACAG
 AATGTGGGAAGTCCTTCGCGGTGAACCTCGTGTGCGACTGCACAGAGAACGCACACTGGGAGAAACC
 CTATGCCTGTAAGAGTGTGGCAATCATTTTACAGAAGAGTCACTTCATCATCCACCAGCGGAAGCAC
 ACTGGCGAGAAACCGTATGAATGTCAGGAGTGCGGCGAGACTTTCATCCAGAAAAGTCAATTGACAGCCC
 ACCAGAAAACCCACACCAAAAAGAGAAATGCAGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222964 representing NM_145011
 Red=Cloning site Green=Tags(s)

MNKFQGPVTLKDVIVEFTKEEWKLLTPAQRTLKDVMLNYSYHLSVSVGYHVNKPNVFKLKQKKEPWILE
 VEFPHRGFPEDLWSIHLEARYQESQAGNSRNGELTKHQKTHTEKACECKEKGKFFCQKSALIVHQHTH
 SKGKSYDCDKCGKSFKNEDLIRHQKIHTRDKTYECKECKKIFYHLSSLRHLRTHAGEKPYECNQCEKS
 FYQKPHLTEHQKTHTEKPFECTECGKFFYVKAYLMVHQKTHTEKPYECKEKGKAFSQKSHLTVHQRMH
 TGEKPYCKECKGKFFSRNSHLKTHQRSHTGEKPYECKEKRKCFYQKSALTVHQRTHTGEKPFECNKCGKT
 FYYKSDLTKHQRKHTGEKPYECTECGKSFVNSVLRHLHQRTHTGEKPYACECKGKFSQKSHFIHQKHK
 TGEKPYECQECGETFIQKSQLTAHQKHTTKRNAEK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_145011

ORF Size:	1368 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_145011.2, NP_659448.1</u>
RefSeq Size:	4152 bp
RefSeq ORF:	1371 bp
Locus ID:	219749
UniProt ID:	<u>P17030</u>
Cytogenetics:	10p11.21
MW:	53.5 kDa