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Product datasheet for RC223391A1V

Human ZNF33B (NM_006955) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF33B (NM_006955) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF33B
Synonyms:	KOX2; KOX31; ZNF11B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

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ORF Nucleotide Sequence:

>RC223391 ORF sequence, codon optimized.
Due to the complexity of NM_006955, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACAAAGTCGACCAGAAATTCCAGGGAAGTGTGAGTTTCAAGGACGTCACCGTTGGATTCACACAGG
AAGAGTGGCAACACCTCGATCCAAGTCAGCGCGCCCTGTACAGAGACGTGATGCTGGAAAACTACAGTAA
TCTTGTATCTGTGGGTTACTGCGCTCACAAGCCCGAAGTTATCTTCCGCCTCGAGCAGGGGGAAGAGCCT
TGGCGGCTGGAAGAGGAGTTCCCCTCACAGAGCTTTCCCGAGGTATGGACGGCTGACCATCTGAAAGAGA
GAAGCCAGGAAAACCAATCCAAACATCTGTGGGAGGTCGTGTTCATCAATAACGAGATGCTGACGAAAGA
ACAGGGCAACGTGATTGGCATACCATTTAACATGGATGTGTCAAGCTTCCCCTCCAGAAAGATGTTCTGT
CAGTATGACAGCAGGGGCATGTCATTCAACACCGTTTCCGAGCTGGTGATTTCCAAAATTAATTACCTTG
GAAAGAAGTCTGACGAGTTTAATGCGTGCGGTAAACTGCTGCTCAATATTAAACATGACGAAACACACAC
CCGAGAGAAGAATGAAGTGCTGAAAAACAGGAATACCCTCTCCCATCGAGAAAATACCCTGCAGCATGAG
AAAATTCAGACCCTGGATCATAACTTCGAATACAGTATTTGCCAGGAAACCCTGCTGGAGAAAGCAGTCT
TCAACACCAGAAAGCGGGAGAATGCCGAGGAGAACAACTGCGACTACAATGAGTTTGGAAGAACTTTCTG
TGACAGTTCTAGCCTTCTCTTCCACCAAATCCCTCCGTCCAAGGACTCACACTATGAATTCAGCGATTGT
GAAAAGTTCCTCTGTGTTAAGTCTACCCTGTCAAAGCACGATGGTGTGCCAGTGAAGCACTATGACTGTG
GCGAAAGCGGAAACAACTTCCGAAGGAAGCTGTGTCTCTCCCAACTCCAGAAGGGGGATAAAGGGGAGAA
GCACTTCGAGTGTAATGAGTGCGGTAAGGCATTTTGGGAGAAATCCCACCTCACCCGGCACCAGAGGGTG
CACACCGGTGAGAAACACTTTCAATGTAACCAGTGCGGAAAGACATTTTGGGAGAAAAGTAATCTGACTA
AGCATCAAAGGTCACACACAGGAGAAAAACCGTTCGAGTGTAATGAATGTGGCAAAGCATTTTCACACAA
AAGCGCCCTTACTCTTCATCAGAGAACGCACACAGGCGAGAAGCCTTATCAGTGCAACGCCTGTGGGAAG
ACCTTCTACCAGAAGTCTGACCTCACCAAACATCAGAGGACGCACACCGGCCAGAAACCATATGAATGTT
ACGAATGTGGGAAAAGCTTTTGCATGAACAGCCACCTGACTGTACACCAGAGAACTCACACAGGGGAAAA
GCCCTTCGAATGTCTGGAATGCGGGAAGTCTTTCTGCCAGAAAAGTCATCTCACCCAACACCAGAGAACA
CATATTGGCGACAAACCTTACGAATGTAATGCATGCGGGAAAACCTTTTATCACAAGTCAGTTCTTACTA
GGCACCAGATAATTCACACGGGACTGAAGCCTTATGAATGTTACGAATGTGGCAAGACATTTTGTTTGAA
ATCAGACTTGACCATTCACCAGAGGACGCACACAGGAGAAAAGCCTTTCGCGTGCCCCGAGTGCGGCAAA
TTCTTCAGCCATAAGTCTACACTCTCACAGCATTACCGGACGCATACGGGTGAGAAGCCCTACGAGTGTC
ACGAGTGCGGAAAAATCTTCTACAACAAGTCTTACTTGACCAAGCACAACAGGACACATACTGGCGAAAA
ACCCTATGAGTGCAACGAGTGCGGGAAAACCTTCTGTCAAAAGAGTCAACTTACACAGCACCAGAGAATC
CACATTGGTGAGAAGCCATACGAGTGTAACGAATGCGGAAAGGCATTTTGCCATAAGTCAGCTCTCATAG
TACACCAGAGAACCCATACCCAGGAAAAGCCCTACAAATGCAATGAATGTGGGAAGTCATTCTGTGTTAA
AAGCGGGCTCATCCTGCATGAACGAAAGCACACCGGCGAGAAACCGTATGAGTGTAATGAATGTGGCAAA
TCATTCAGTCACAAGAGCAGCTTGACGGTCCACCACCGGGCACACACTGGGGAGAAAAGTTGCCAGTGTA
ACGAGTGCGGCAAAATTTTCTACCGGAAGTCTGATTTGGCCAAGCATCAGCGGAGTCACACCGGAGAGAA
ACCATACGAGTGTAACACGTGTCGCAAAACGTTTAGCCAAAAGAGCAATCTGATCGTCCATCAGCGCACT
CACATCGGAGAAAAGCCATACGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223391 representing NM_006955
Red=Cloning site Green=Tags(s)

MNKVDQKFQGSVSFKDVTVGFTQEEWQHLDPSQRALYRDVMLENYSNLVSVGYCAHKPEVIFRLEQGEEP
WRLEEEFPSQSFPEVWTADHLKERSQENQSKHLWEVVFINNEMLTKEQGNVIGIPFNMDVSSFPSRKMFC
QYDSRGMSFNTVSELVISKINYLGKKSDEFNACGKLLLNIKHDETHTREKNEVLKNRNTLSHRENTLQHE
KIQTLDHNFEYSICQETLLEKAVFNTRKRENAEENNCDYNEFGRTFCDSSSLLFHQIPPSKDSHYEFSDC
EKFLCVKSTLSKHDGVPVKHYDCGESGNNFRRKLCLSQLQKGDKGEKHFECNECGKAFWEKSHLTRHQRV
HTGEKHFQCNQCGKTFWEKSNLTKHQRSHTGEKPFECNECGKAFSHKSALTLHQRTHTGEKPYQCNACGK
TFYQKSDLTKHQRTHTGQKPYECYECGKSFCMNSHLTVHQRTHTGEKPFECLECGKSFCQKSHLTQHQRT
HIGDKPYECNACGKTFYHKSVLTRHQIIHTGLKPYECYECGKTFCLKSDLTIHQRTHTGEKPFACPECGK
FFSHKSTLSQHYRTHTGEKPYECHECGKIFYNKSYLTKHNRTHTGEKPYECNECGKTFCQKSQLTQHQRI
HIGEKPYECNECGKAFCHKSALIVHQRTHTQEKPYKCNECGKSFCVKSGLILHERKHTGEKPYECNECGK
SFSHKSSLTVHHRAHTGEKSCQCNECGKIFYRKSDLAKHQRSHTGEKPYECNTCRKTFSQKSNLIVHQRT
HIGEKPYE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_006955

ORF Size: 2334 bp

Buffer: PBS with 0.001% Pluronic F8650

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: NM_006955.1, NP_008886.1

RefSeq Size: 5982 bp

RefSeq ORF: 2337 bp

Locus ID: 7582

UniProt ID: Q06732

Cytogenetics: 10q11.21

MW: 90.7 kDa