

## Product datasheet for **RC224018A1V**

### Human ZNF324B (NM\_207395) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | ZNF324B                    |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >RC224018 ORF sequence, **codon optimized**.  
Due to the complexity of NM\_207395, 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**CGGATCGCC**

ATGACATTTGAGGACGTGGCAGTCTACTTCTCCAGGAGGAGTGGGACTCCTTGACACGGCTCAAGAG  
CTCTGTATAGACATGTGATGCTGGAATTTTACCCTTGTAAGTCTGGGCTTAGTACGAGCAGACC  
CAGGGTCGTGATTGAGTGAACGGGGCAGGAGCCATGGGTACCCTCCGGTAAGGATATGACCTTGGCT  
AGGAATACTTATGGTAGACTCAACAGCGGTAGCTGGAGCCTGACCGAAGATAGGGATGTTTCCGGCAGT  
GGCCCCGCGCATTTCGGATACTCCCCGGGAATGACCACATCAGTCTTCCCTGTGGCCGATGCGTGCA  
CTCTGTTAAGTCCCTCCAGAGACAGCCGGGAGCTAGTCCCTCCAGGAAAGGAAGCCTACCGGTGTGTCC  
GTCAATATACTGGGAGCGATTGCTGCTCGGAAGCAGGTCCGATCAGGCCCTATCTCCCTGCGGCTCACGT  
CACCTCTTAGACCCCCAAAATCCTCCCGCCCCGCGAAAAGACTTTCAGTGAGTACCGCGTACCGGGAG  
GCAACCTCGCACCCCGAAAGGCAGAAGCCTTGCGCACAGGAAGTCCCGGCAGGGCTTTCGGGAATGCG  
AGTGATCTGAAGGCCGCAAGTGGAGGCAGAGATCGAAGAATGGGAGCGCATGGCAAGAGCCACACAGAC  
TTCTCGGCGGGCAAGAGCCGTCTACATGGGATGAGCTTGGGGAAGCACTGCACGCCGCGAGAAGTCATT  
TGAATGCCGCGCTTGTTCAGGTCTTTGTGAAGAGTTCAGACCTCCTTAACATCTCAGAACCACACC  
GGAGAACGGCCTTACGAGTCACTCAATGCGGGAAGCCTTCTCACAGACATCACACCTTACACAGCATC  
AGAGAAATTCATTCTGGCGAGACTCCCTACGCTTGCCCGTGTGCGGTAAGGCCTTCAGACACAGCAGCTC  
TCTGGTCAGACATCAACGAATTCACACTGCTGAAAAGAGCTTTAGATGTAGTGAGTGTGGCAAAGCTTTT  
TCTCACGGCAGCAATCTCTCACAGCATCGAAAATCCACGCTGGTGGCAGACCGTACGCTTGTGCACAAT  
GCGGTGCGCGCTTTTCCCGAATTCACCTGATTCAACATGAGCGGACACATACAGGAGAGAAGCCATT  
CGTATGTGCTCTGTGTGGCGCAGCATTCTCCAGGGCAGTAGTCTGTTCTTCCAGCGGGTGACACT  
GGAGAGAAACCATTTGCTGCGCTCAGTGTGGCAGAAGTTTCTCTCGCTCCTCAACCTGACACAACACC  
AGCTGCTGCATACAGGCGAGAGGCCCTTTCGATGCGTGGTGGGGAAGGGCTTCGAAAGGGCGCAGT  
TCTGCTCTCTCATCGAGGATACATACCGGGGAAAAGCCATTGTGTGTACCAATGCGGCCGGCATT  
CGGGAGCGGCCCGCTGCTTCATCACCAGCGGATTATACGACTGAGAAAACCAACGCGGAGCCCCAG  
ACTGTACACCGGGGCCGATTCTTCAGGGCCACCATAGGAAGGTGCGCAGGGGAGGCAAAACCGAGCCC  
CGTCTCAACCTGCCAAGGTC

AG**CGGACCG**ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >RC224018 representing NM\_207395  
Red=Cloning site Green=Tags(s)

MTFEDVAVYFSQEEWGLLDTAQRALYRHVLENFTLVTSGLSTSRPRVVIQLERGEEPWVPSGKDMTLA  
RNTYGRNLNSGWSLTEDRDVSGEWPRAFPDTPPGMTTSVFPVADACHSVKSLQRQPGASPSQERKPTGVS  
VIYWERLLLSRSDQASISLRLTSPLRPPKSSRPREKTFTEYRVPGRQPRTPERQKPCAQEVPGRAFGNA  
SDLKAASGGRRDRMGAAWQEPHRLGGQEPSTWDELGEALHAGEKSFECRACSKVFKSSDLLKHLRHT  
GERPYECTQCQKAFSQTSHLTQHQRHSGETPYACPVCGKAFRHSSSLVRHQRHTAEKSFRCSECGKAF  
SHGSNLSQHRKIHAGGRPYACAQCGRFRNRSLIQHERHTGKPFVICALCGAASFQSSSLFLHQRVHT  
GEKPFACAQCGRSFSRSSLTQHQLLHTGERPFRVCGCGKFAKGAVLLSHRRIHTGEKPFVCTQCGRF  
RERPALHHRQRIHTTEKTNAAPDCTPGPGLQGHHRKVRRGGKPSVLPKPAKV

SGP**TRTRPLEQKLISEEDLA**AND**I**LDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>         | NM_207395                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1632 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stability:</b>    | 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. |
| <b>RefSeq:</b>       | <u><a href="#">NM_207395.1</a></u> , <u><a href="#">NP_997278.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>  | 2978 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1635 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 388569                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u><a href="#">Q6AW86</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 19q13.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>           | 60.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |