

Product datasheet for **RG224018**

ZNF324B (NM_207395) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF324B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG224018 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
CTCTGTATAGACATGTGATGCTGGAATTTTACCCTTGTAAGTCTGGGCCTTAGTACGAGCAGACC
CAGGGTCGTGATTGAGTGAACGGGGCAGGAGCCATGGGTACCCTCCGGTAAGGATATGACCTTGGCT
AGGAATACTTATGGTAGACTCAACAGCGGTAGCTGGAGCCTGACCGAAGATAGGGATGTTTCCGGCAGT
GGCCCCGCGCATTTCGGATACTCCCCGGGAATGACCACATCAGTCTTCCCTGTGGCCGATGCGTGTCA
CTCTGTAAAGTCCCTCCAGAGACAGCCGGGAGCTAGTCCCTCCAGGAAAGGAAGCCTACCGGTGTGTCC
GTCAATATACTGGGAGCGATTGCTGCTCGGAAGCAGGTCCGATCAGGCCTCTATCTCCCTGCGGCTCACGT
CACCTCTTAGACCCCCAAAATCCTCCCGCCCCGCGAAAAGACTTTCAGTGAGTACCGCGTACCGGGAG
GCAACCTCGCACCCCCGAAAGGCAGAAGCCTTGCGCACAGGAAGTGCCCGCAGGGCTTTCGGGAATGCG
AGTGATCTGAAGGCCGCAAGTGGAGGCAGAGATCGAAGAATGGGAGCGGCATGGCAAGAGCCACACAGAC
TTCTCGGCGGGCAAGAGCCGTCTACATGGGATGAGCTTGGGGAAGCACTGCACGCCGCGAGAAGTCATT
TGAATGCCGCGCTTGTTCAGGTCTTTGTGAAGAGTTCAGACCTCCTTAACATCTCAGAACCACACC
GGAGAACGGCCTTACGAGTGCATCAATGCGGGAAGCCTTCTCACAGACATCACACCTTACACAGCATC
AGAGAAATTCATTCTGGCGAGACTCCCTACGCTTGCCCGTGTGCGGTAAGGCCTTCAGACACAGCAGCTC
TCTGGTCAGACATCAACGAATTCACACTGCTGAAAAGAGCTTTAGATGTAGTGAGTGTGGCAAAGCTTTT
TCTCACGGCAGCAATCTCTCACAGCATCGAAAATCCACGCTGGTGGCAGACCTACGCTTGTGCACAAT
GCGGTGCGCGCTTTTCCGGAATCCCACCTGATTCAACATGAGCGGACACATACAGGAGAGAAGCCATT
CGTATGTGCTCTGTGTGGCGCAGCATTCTCCAGGGCAGTAGTCTGTTCTTCCACAGCGGGTGACACAT
GGAGAGAAACCATTTGCTGCGCTCAGTGTGGCAGAAGTTTCTCTGCTCCTCAACCTGACACAACACC
AGCTGCTGCATACAGGCGAGAGGCCCTTTCGATGCGTGGTGGGGAAGGGCTTCGAAAGGGCGCAGT
TCTGCTCTCTCATCGAGGATACATACCGGGGAAAAGCCATTGTGTGTACCAATGCGGCCGGCATT
CGGGAGCGGCCCGCTGCTTATCACCAGCGGATTATACGACTGAGAAAACCAACGCGGAGCCCCAG
ACTGTACACCGGGGCCGATTCTTCAGGGCCACCATAGGAAGGTGCGCAGGGGAGGCAAAACCGAGCCC
CGTCTCAACCTGCCAAGGTC

AG**CGGACCG**ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

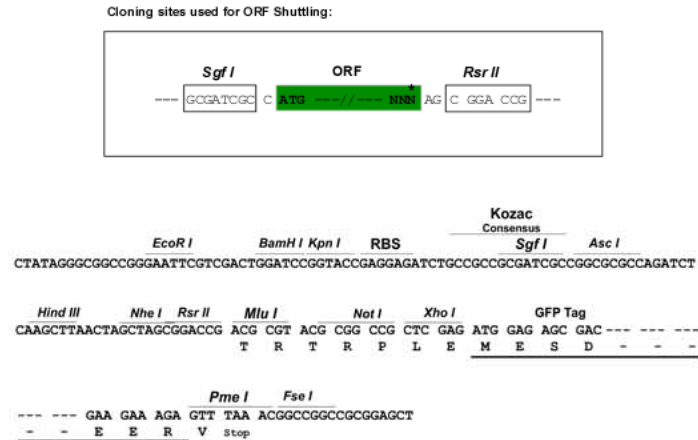
Protein Sequence: >RG224018 representing NM_207395
Red=Cloning site Green=Tags(s)

MTFEDVAVYFSQEEWGLLDTAQRALYRHMLENFTLVTSGLSTSRPRVVIQLERGEEPWPVPSGKDMTLA
RNTYGRNLNSGWSLTEDRDVSGEWPRAFPDTPPGMTTSVFPVADACHSVKSLQRQPGASPSQERKPTGVS
VIYWERLLLGSRSQASISLRLTSPLRPPKSSRPREKTFTEYRVPRQRPRTPERQKPCAQEVPGRAFGNA
SDLKAASGGRRDRMGAAWQEPHRLGGQEPSTWDELGEALHAGEKSFECRACSKVFKSSDLLKHLRTH
GERPYECTQCGKAFSQTSHLTQHRIHSGETPYACPVCGKAFRHSSSLVRHQRIHTAEKSFRCSECGKAF
SHGSNLSQHRKIHAGGRPYACAQCGRFRCRNSHLIQHERHTHGEKPFVLCALCGAASFQSSSLFLHQRVHT
GEKPFACAQCGRSFSRSSLTQHLLHTGERPFRVCGGKGFAGKAVLLSHRRIHTGEKPFVCTQCGRF
RERPALLHHQRIHTTEKTNAAAPDCTPGPGFLQGHHRKVRRGGKPSVLPKPAKV

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_207395

ORF Size: 1632 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

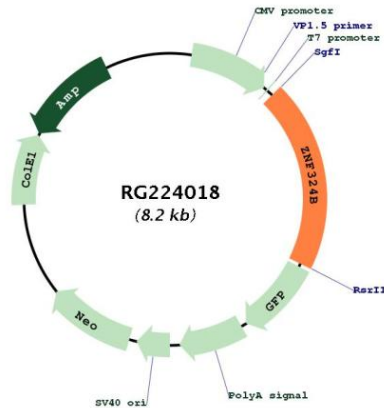
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_207395.1](#), [NP_997278.1](#)

RefSeq Size: 2978 bp

RefSeq ORF:	1635 bp
Locus ID:	388569
UniProt ID:	Q6AW86
Cytogenetics:	19q13.43
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224018