

Product datasheet for **RC219670**

ZNF324 (NM_014347) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF324 (NM_014347) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF324
Synonyms:	ZF5128; ZNF324A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC219670 representing NM_014347
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTTGAGGATGTGGCTGTGTA**CTCTCCAGGAGGAGTGGGGCTCCTGGACACAGCCAGAGGG**
CCCTGTACCGCCGCGTGATGCTAGACAACCTTCGCACTTGTGGCCTCGCTGGGACTCTCCACCTCTCGACC
TCGTGTGGTCATCCAACCTGGAGCGTGGCGAGGAGCCCTGGGTTCCAGTGGAACGGACACAAACCCTGTCC
AGGACCACCTACAGGAGGCGCAACCCTGGTTCCTGGAGTTTGACAGAGGATAGAGATGTTTCTGGAGAAT
GGCCACGAGCTTTCCAGATACCCACCTGGGATGACTACTAGCGTCTTCCCTGTTGCCGGTGCCTGCCA
CAGTGTA AAAAGCCTGCAGAGACAACGGGGTGCCTCCCATCTCGGGAGAGAAAACCCACGGGGTGTCTG
GTGATCTACTGGGAGAGGCTCCTGCTAGGCTCAGGCAGTGGGCAAGCCAGCGTCAGCCTGCGACTGACCT
CCCCGCTTAGGCCTCCCGAGGGCGTCCGGCTTAGGGAAAAGACACTCACAGAGCATGCGTTGCTGGGGAG
GCAGCCAGGACGCTGAGCGGCAGAAACCATGTGCACAGGAGGTCCTGGGAGAACCTTTGGGAGCGCC
CAGGACCTGGAGGCTGCCGGCGGTCCGGGACATCACCGAATGGGTGCAGTTTGGCAGGAGCCTCATAGAC
TCCTCGGTGGCCAGGAGCCCTCGACCTGGGACGAGCTGGGCGAGGCTCTTCACGCTGGGGAGAACTCCTT
CGAATGCAGGGCGTGAGCAAAAGTGTTCGTGAAGAGCTCCGACCTCCTAAGCACCTACGCACCCACACC
GGGGAGCGGCCCTACGAGTGCGCCAGTGCGGCAAGGCCCTTCAGCCAGACGTGCGACTTGACGCAGCACC
AGCGCATCCACAGCGGCGAGACGCCCTACGCGTGCCCCGTGTGCGGCAAGGCCCTCCGGCATAGCTCCTC
GCTGGTGCGGCACAGCGCATCCACAGGCCGAGAAGTCCTTCCGCTGCTCCGAGTGCGGCAAGGCCCTTC
AGCCACGGCTCCAACCTCAGCCAGCACCGCAAGATCCACGCGGGTGGGCGTCTTATGCTTGCGCACAGT
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CGTGTGCGCGCTGTGCGGTGCTGCCTTACGCCAGGGCTCCTCGCTCTTAAGCACAGCGCGTGACACACA
GGCGAGAAGCCCTTCGCTGCCACAGTGCGGCCGCGCCTTTAGCCACAGCTCCAACCTCACCCAGCACC
AGCTCCTGCACACGGGCGAGCGGCCCTTCGCTGCGTGGACTGTGGCAAGGCCCTTCGCCAAGGGCGCCGT
GCTGCTCAGCCACCGGCGATTACACGGGCGAGAAGCCCTTCGTGTGTACGAGTGTGGCCGCGCCTTC
CGTGAGCGCCCGGCCCTTCCACCACCAGAGGATCCATACCGGCGAGAAGCCGTCGGCGATCCAGGG
CCAGCCTGCACCCACAGGCCAGGTCTGTTGCCGGGCGATCATCAGAAGGTGCGCCAGCGAAGGAAACCGA
GCCCACTCCGCTCGGGCCAGCGCCGCTCTCGCAGCCAGCGGAGGTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219670 representing NM_014347
 Red=Cloning site Green=Tags(s)

MAFEDVAVYFSQEEWGLLDTAQRALYRRVMDNFALVASLGLSTSRPRVVIQLERGEEPWVPSGDTTTL
 RTTYRRRNPGSWSLTEDRDVSGEWPRAFPDTPPGMTTSVFPVAGACHSVKSLQRQRGASPSRERKPTGVS
 VIYWERLLLGSQASVSLRLTSPLRPPEGVRLREKTLTEHALLGRQPRTPERQKPCAQEVPGRTFGSA
 QDLEAAGGRGHRMGAVWQEPHRLGGQEPSTWDELGEALHAGEKSFECRACSKVFVKSSDLLKHLRHT
 GERPYECAQCGKAFSQTSHLTQHQRHISGETPYACPVCGKAFRHSSSLVRHQRIHTAEKSFRCSECGKAF
 SHGSNLQHRKIHAGGRPYACAQCGRRFCRNSHLIQHERHTHTEKPFVFCALCGAASFQSSSLFKHQRVHT
 GEKPFACPGRAFSHSSNLQHQLLHTGERPFRVDCGKAFAKGAVLLSHRRIHTGEKPFVCTQCGRAF
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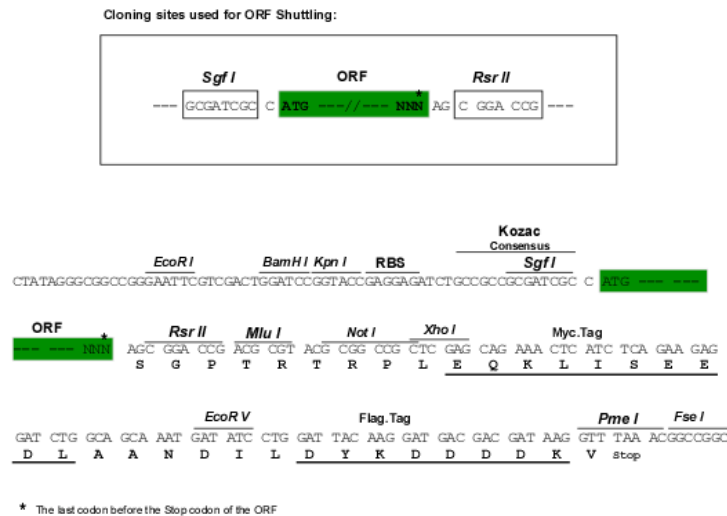
SGP**TRTRRL**EQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6621_e07.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_014347

ORF Size: 1659 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_014347.1](#), [NP_055162.1](#)

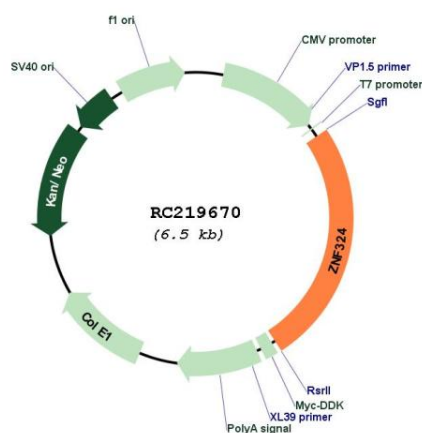
RefSeq Size: 3000 bp

RefSeq ORF: 1662 bp

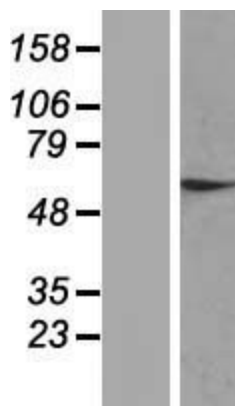
Locus ID: 25799

UniProt ID:	<u>O75467</u>
Cytogenetics:	19q13.43
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	60.9 kDa
Gene Summary:	May be involved in transcriptional regulation. May be involved in regulation of cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219670



Western blot validation of overexpression lysate (Cat# [LY415349]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219670 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).