

## Product datasheet for RC234005

### ZNF323 (ZSCAN31) (NM\_001243241) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF323 (ZSCAN31) (NM_001243241) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF323
Synonyms:	ZNF20-Lp; ZNF310P; ZNF323
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC234005 representing NM_001243241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCAACAGAGGAACAGTACGATCTTAAGATTGTGAAAGTGGAGGAAGACCCTATCTGGGACCAAG  
AAACCCACCTTCGAGGGAACAACCTTTCTGGCCAAGAAGCCTCCCACAACCTTTTAGGCAGTTTTGTTA  
CCAAGAGACTCCTGGTCCCCGAGAAGCTCTGAGCCGGCTCCGAGAAGCTGTGCATCAGTGGCTAAGGCCA  
GAAATCCACACCAAGAGCAAATCTGGAGCTGCTGGTGTGGAGCAATTCCTGACTATCCTGCCTGAGG  
AGCTCCAGGCCTGGGTGCGGGAGCACCATCCGGAGAGTGGGAGGAGGCTGTGGCTGTAGTTGAAGATCT  
GGAACAAGAGCTTAGTGAGCCAGGGAACAGGCTCCAGACCATGAACATGGACATTCTGAAGTGCTCTTG  
GAGGATGTGGAACATCTGAAGGTCAAGCAGGAACCAACAGACATACAGCTTCAGCCTATGGTGACACAGC  
TCAGATATGAATCTTTTGCCTCCACCAATTTCAAGAACAAGATGGTGAAGTATACCTGAGAACCAGGA  
GTTGGCATCAAAGCAAGAAATCTTAAAAGAAATGGAACATTTGGGGGATAGCAAACCTCAAAGAGATGTA  
TCTTTGGATTCTAAGTACAGAGAACTTGTAACGAGACAGCAAGGCAGAAAAGCAGCAGGCACATTCCA  
CTGGAGAGAGACGCCACAGGTGCAATGAATGTGGGAAAAGCTTCACTAAGAGTTCAGTACTCATTGAGCA  
CCAGAGAATCCACACTGGGGAGAAGCCATATGAATGTGAAGAATGTGGGAAGGCCTTCAGCCGGAGGTCA  
AGCCTGAATGAACATCGCGGAGCCACACTGGAGAGAAAACCTATCAATGTAAGGAGTGTGGGAAAGCCT  
TCAGTGCCAGCAATGGCCTCACTCGACACAGAAGAATCCACACAGGGGAAAAACCATATGAATGCAAAGT  
GTGTGGGAAGGCTTTCCTCCTCAGCTCATGCCTTGTTCAGCATCAGAGGATACACACTGGAGAGAAGCGC  
TATCAGTGTGAGTGTGGCAAAGCCTTCATTGAGAATGCAGGGCTTTTCCAGCATCTCCGAGTCCACA  
CTGGTGAGAAAACCTATCAGTGCAGTGCAGTAAACTCTTTAGTAAGCGGACACTTCTTAAGAAACA  
TCAGAAAATCCACACTGGAGAGAGACCA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC234005 representing NM\_001243241  
Red=Cloning site Green=Tags(s)

MASTEEQYDLKIVKVEEDPIWDQETHLRGNFSGQEASRQLFRQFCYQETPGPREALSRLRELCHQWLRP  
 EIHTKEQILELLVLEQFLTILPEELQAVVREHHPESGEEAVAVVEDLEQELSEPGNQAPDHEHGHSEVLL  
 EDVEHLKVKQEPTDIQLQPMVTQLRYESFCLHQFQEQDGE SIPENQELASKQEILKEMEHLGDSKLQRDV  
 SLDSKYRETCKRDSKAEEKQAHSTGERRHRCNECGKSF TKSSVL IEHQRIHTGEKPYECECGKAFSRRS  
 SLNEHRRSHTGEKPYQCKEKGKAF SASNGLTRHRRRIHTGEKPYECKVCGKAFLLSSCLVQHRIHTGEKR  
 YQCRECGKAFIQNAGLFQHLRVHTGEKPYQCSQCSKLF SKRRTLLKKHQIKIHTGERP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001243241

**ORF Size:** 1218 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.

**RefSeq:** [NM\\_001243241.1](#), [NP\\_001230170.1](#)

**RefSeq Size:** 2993 bp

**RefSeq ORF:** 1221 bp

**Locus ID:** 64288

**UniProt ID:** [Q96LW9](#)

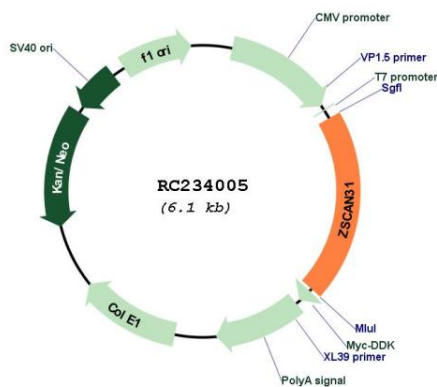
**Cytogenetics:** 6p22.3-p22.1

**Protein Families:** Transcription Factors

**MW:** 47.7 kDa

**Gene Summary:** This gene encodes a protein containing multiple C2H2-type zinc finger motifs. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

**Product images:**



Circular map for RC234005