

## Product datasheet for **RC233540**

### ZNF323 (ZSCAN31) (NM\_001243243) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF323 (ZSCAN31) (NM_001243243) 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:	>RC233540 representing NM_001243243 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGACACAGCTCAGATATGAATCTTTTTGCCTCCACCAATTTCAAGAACAAGATGGTGAAAGTATAC  
CTGAGAACCAGGAGTTGGCATCAAAGCAAGAAATCTTAAAAGAAATGGAACATTTGGGGGATAGCAAAC  
CCAAAGAGATGTATCTTTGGATTCTAAGTACAGAGAACTTGTAACGAGACAGCAAGGCAGAAAAGCAG  
CAGGCACATTCCACTGGAGAGAGACGCCACAGGTGCAATGAATGTGGGAAAAGCTTCACTAAGAGTTCAG  
TACTCATTGAGCACCAGAGAATCCACACTGGGGAGAAGCCATATGAATGTGAAGAATGTGGGAAGGCCTT  
CAGCCGGAGGTCAAGCCTGAATGAACATCGGCGGAGCCACACTGGAGAGAAACCCATCAATGTAAGGAG  
TGTGGGAAAAGCCTTCAGTGCCAGCAATGGCCTCACTCGACACAGAAGAATCCACACAGGGGAAAAACCAT  
ATGAATGCAAAGTGTGTGGGAAGGCTTTCTCCTCAGCTCATGCCTTGTTGAGCATCAGAGGATACACAC  
TGGAGAGAAGCGCTATCAGTGTGCGTGAGTGTGGCAAAGCCTTCATTGAGAATGCAGGGCTTTCCAGCAT  
CTCCGAGTCCACACTGGTGAGAAACCTATCAGTGCAGTGCAGTAACTCTTTAGTAAGCGGACAC  
TTCTTAAGAAAACATCAGAAAATCCACACTGGAGAGAGACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233540 representing NM\_001243243  
Red=Cloning site Green=Tags(s)

MVTQLRYESFCLHQFQEQDGESIPENQELASKQEILKEMEHLGDSKLQRDVSLSKDYRETCKRDSKAEEKQ  
 QAHSTGERRHRCNECGKSFTKSSVLIHQRIHTGEKPYECECGKAFSRRSSLNEHRSHTGEKPYQCKE  
 CGKAFSASNGLTRHRIHTGEKPYECKVCGKAFLLSSCLVQHQRHTGEKRYQCCECGKAFIQNAGLFQH  
 LRVHTGEKPYQCSQCSKLF SKRLLKHKHQIHTGERP

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\_001243243

**ORF Size:** 741 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\\_001243243.1](#), [NP\\_001230172.1](#)

**RefSeq Size:** 2592 bp

**RefSeq ORF:** 744 bp

**Locus ID:** 64288

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

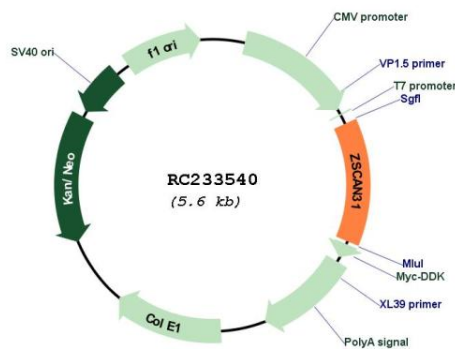
**Cytogenetics:** 6p22.3-p22.1

**Protein Families:** Transcription Factors

**MW:** 29.2 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 RC233540