

Product datasheet for **RG234005**

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:	TurboGFP
Symbol:	ZNF323
Synonyms:	ZNF20-Lp; ZNF310P; ZNF323
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234005 representing NM_001243241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCAACAGAGGAACAGTACGATCTTAAGATTGTGAAAGTGGAGGAAGACCCTATCTGGACCAAG
AAACCCACCTTCGAGGGAACAACCTTTCTGGCCAAGAAGCCTCCCGACAACCTTTTAGGCAGTTTTGTTA
CCAAGAGACTCCTGGTCCCGAGAAGCTCTGAGCCGGCTCCGAGAACTCTGTCATCAGTGGCTAAGGCCA
GAAATCCACACCAAGAGCAAATCTGGAGCTGCTGGTGTGGAGCAATTCCTGACTATCCTGCCTGAGG
AGCTCCAGGCCTGGGTGCGGGAGCACCATCCGGAGAGTGGGAGGAGGCTGTGGCTGTAGTTGAAGATCT
GGAACAAGAGCTTAGTGAGCCAGGGAACAGGCTCCAGACCATGAACATGGACATTCTGAAGTGCTCTTG
GAGGATGTGGAACATCTGAAGGTCAAGCAGGAACCAACAGACATACAGCTTCAGCCTATGGTGACACAGC
TCAGATATGAATCTTTTTGCCTCCACCAATTTCAAGAACAAGATGGTGAAGTATACCTGAGAACCAGGA
GTTGGCATCAAAGCAAGAAATCTTAAAAGAAATGGAACATTTGGGGGATAGCAAACCTCAAAGAGATGTA
TCTTTGGATTCTAAGTACAGAGAACTTGTAACGAGACAGCAAGGCAGAAAAGCAGCAGGCACATTCCA
CTGGAGAGAGACGCCACAGGTGCAATGAATGTGGGAAAAGCTTCACTAAGAGTTCAGTACTCATTGAGCA
CCAGAGAATCCACACTGGGGAGAAGCCATATGAATGTGAAGAATGTGGAAAGCCTTCAGCCGGAGGTCA
AGCCTGAATGAACATCGGCGGAGCCACACTGGAGAGAAACCCTATCAATGTAAGGAGTGTGGGAAAGCCT
TCAGTGCCAGCAATGGCCTCACTCGACACAGAAGAATCCACACAGGGGAAAAACCATATGAATGCAAAGT
GTGTGGGAAGGCTTTCCTCCTCAGCTCATGCCCTTGTTCAGCATCAGAGGATACACACTGGAGAGAAGCGC
TATCAGTGTGAGTGTGGCAAAGCCTTCATTGAGAATGCAGGGCTTTTCCAGCATCTCCGAGTCCACA
CTGGTGAGAAACCCTATCAGTGCAGTGCAGTAAACTCTTTAGTAAGCGGACACTTCTTAAGAAACA
TCAGAAAATCCACACTGGAGAGAGACCA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234005 representing NM_001243241
 Red=Cloning site Green=Tags(s)

MASTEEQYDLKIVKVEEDPIWDQETHLRGNNFSGQEASRQLFRQFCYQETPGPREALSRLRELCHQWLRP
 EIHTKEQILELLVLEQFLTILPEELQAVVREHHPESGEEAVAVVEDLEQELSEPGNQAPDHEHGHSEVLL
 EDVEHLKVKQEPTDIQLQPMVTQLRYESFCLHQFQEQDGE S I PENQELASKQEILKEMEHLGDSKLQRDV
 SLDSKYRETCKRDSKAEKQQAHS TGERRHRCNECGKSF TKSSVL IEHQRIHTGEKPYECECGKAFSRRS
 SLNEHRRSHTGEKPYQCKEKGKAF SASNGLTRHRRRIHTGEKPYECKVCGKAFLLSSCLVQHRIHTGEKR
 YQCRECGKAFIQNAGLFQHLRVHTGEKPYQCSQCSKLF SKR TLLKKHQKIHTGERP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

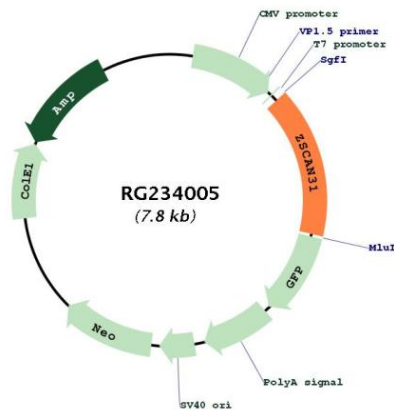
UniProt ID: [Q96LW9](#)

Cytogenetics: 6p22.3-p22.1

Protein Families: Transcription Factors

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 RG234005