

Product datasheet for **RG204276**

ZNF307 (ZKSCAN4) (NM_019110) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF307 (ZKSCAN4) (NM_019110) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF307
Synonyms:	P1P373C6; ZNF307; ZNF427; ZSCAN36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204276 representing NM_019110
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTAGAGAACCAGAAAAACGCAGCCCTGGACGCCAGTCTGCAGAAGACCAGACGGGCTCCTGA
 CCGTGAAGGTGGAGAAGGAGGAAGCCTCCGCCTTGACGGCGGAGGTGAGAGCACCCCTGCAGCCCTGCTCG
 GGGCCCCGAACGCTCCCGCCAGCGCTTCCGAGGCTTCCGCTACCCGAGGCTGCGGGCCCCCGAGGCG
 TTGAGCCGGCTCCGAGAATCTGCGGACAATGGCTGCAGCCTGAGATGCACAGCAAGGAGCAGATCCTGG
 AGCTGCTGGTGGAGCAGTTCCTGACCATCCTGCCGGGAATCTGCAGAGCTGGGTGCGGGAGCAGCA
 TCCAGAGAGCGGGGAGGAGTGGTGGTCTATTGGAGTATTTGGAGAGGCAGCTGGATGAGCCGGCGCCG
 CAGGTTCCCGTTGGTACCAGGGCAAGAACTGCTCTGTTGCAAGATGGCACTATTGACACAACTCAAG
 GGTCTCAAAGTAGCCAGTCCAGCCAATGAAGGCTCTGTTCAAGCATGAATCTCTGGGATCCAGCCCTT
 ACACGATAGAGTCTCCAGGTTCTGGGCTTGCCAGGGAGGCTGCTGCAGAGAAGATGCAATGGTAGCT
 TCCAGGCTCACTCCAGGTTCCAGGTTTGTGAAAATGGAAGATGTGGCCCTGACCCTCACTCCTGGGT
 GGACACAGCTGGATTCATCTCAGGTGAACCTCTACAGAGATGAAAAGCAGGAGAACCATAGCAGCCTGGT
 CTCCTTGGTGGTGAATACAGACTAAGAGCAGGGACTTGCCCTCAGTCAAGAAGCTTCCAGAAAAGGAG
 CATGGGAAGATATGCCACCTGAGGGAAGACATTGCCAGATTCTACACATGCAGAAGCTGGTGAACAGG
 AGGGCAGGTTACAAAGAAAGCAGAAAAATGCCATAGGGAGTAGGGCAGATTATTGCCATGAATGTGGAAA
 GAGTTTGGCTCAAAGTTCAGGCTGACTAAACACAGGAGAATCCACACTGGTGAAGAACCCATGAATGT
 GAAGCATGTGAAAGACCTTCATTGGGAGCTCTGCCCTGTTCATTCATCAGAGAGTCCACACTGGTGAGA
 ACCACATGGGGAAGCCCTATGAGTGTGATGACTGTGGGAAGACCTTCAGCCAGAGCTGCAGCCTCCTT
 GAACATCACAAAATTCATACTGGGGAAGCCATACCAGTGAATATGTGTGGAAAGCCTTTAGGCGGA
 ATTCACATCTCCTGAGACATCAGAGGATTCATGGTGATAAAAAATGTTGAGAATCCTGAGCACGGGGAGTC
 CTGGGAAAGTCAGGGTAGGACGGAAGCCAGTGGGAAAAACTGAGGCTCCCGTGTCTTATAAATGTAAT
 GAGTGTGAGAGAAGTTTACACGGAATAGAAGTCTTATTGAACATCAGAAAATCCACACTGGTGAGAAAC
 CCTATCAGTGTGACACATGTGAAAAGGTTTCACTCGAATTCATACCTGTTCAACATCAGAGAAGCCA
 GTAGGGAAAAAACTCTTTCACAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204276 representing NM_019110
 Red=Cloning site Green=Tags(s)

MAREPRKNAALDAQSAEDQTGLLTVKVEKEEASALTAEVRAPCSPARGPERSRQFRGRFRYPEAAGPREA
 LSRLRELCGQWLQPEMHSKEQILELLVLEQFLTILPGNLQSWVREQHPESGEEVVVLEYLEYERQLDEPAP
 QVPVGDQEQELLCKMALLTQTQGSQSSQCPMKALFKHESLGSQPLHDRVLPVPLAQQGCCREDAMVA
 SRLTPGSQGLLKMEDVALTPGWTQLDSSQVNLVYRDEKQENHSSLVSLGGEIQTKSRDLPPVKLPEKE
 HGKICHLREDIAQIPTHAEAGEQEGRLQRKQKNAIGSRRHYCHECGKSFQAQSSGLTKHRRHTGKPYEC
 EDCGKTFIGSSALVIHQRVHTGKPYECEECGKVFSSSNLIKHQRTHTGKPYECDDCGKTFSSQCSLL
 EHHKIHTGKPYQCNMCGKAFRRNSHLRHQRHGDKNVQNPHEGESWESQGRTESQWENTEAPVSYKCN
 ECERSFTRNRSLIEHQIHTGKPYQCDTCGKGFTRTSYLVQHQRSHVGGKTLSSQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_019110

ORF Size: 1635 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_019110.5](#)

RefSeq Size: 2307 bp

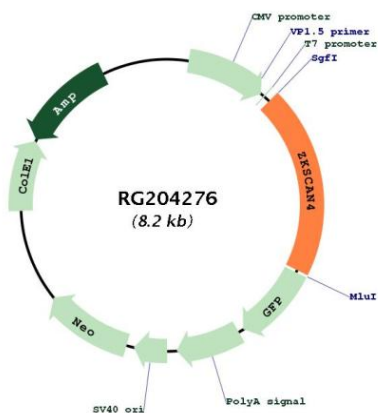
RefSeq ORF: 1638 bp

Locus ID: 387032

UniProt ID: [Q969J2](#)

Cytogenetics:	6p22.1
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in the transcriptional activation of MDM2 and EP300 genes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204276