

Product datasheet for **SC111333**

ZNF331 (NM_018555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF331 (NM_018555) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF331
Synonyms:	RITA; ZNF361; ZNF463
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111333 sequence for NM_018555 edited (data generated by NextGen Sequencing)

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ATGGCCCAGGGTTTGGTGACGTTTCGCCGACGTAGCCATAGACTTTTCTCAGGAGGAGTGGGCCTGTCTGA
ACTCTGCTCAGAGGGACCTGTAAGGTTTACCTACAGAAAAAACATTCATGAAATAAGGGCTTCCAAAAGG
GGAGTCAGCATATGAAAAAAGAGTTTACCTACAGAAAAAACATTCATGAAATAAGGGCTTCCAAAAGG
AATTCAGATAGAAGAAGTAAATCCCTTGGCCGTAAGTGGATATGTGAAGTACGCTTAAAGACCCACAGC
GCTCCAGAGGGAGGTATGTCAATCAGATGATCATCAATTATGTCAAAGACCTGCTACTAGAGAAGGCAC
CCCTCCTAGAACACATCAGAGACATCATAAGGAGAATTCCTTTGAATGTAAGGACTGTGGGAAGGCCTTT
AGTCGTGGCTATCAACTTAGTCAACATCAGAAAAATCCATACTGGTGAGAAACCTTATGAATGTAAGAAT
GTAAGAAGGCCTTCCGTTGGGGCAATCAGCTTACTCAACATCAAAAAATTCATACTGGGGAGAAGCCCTA
CGAATGTAAGACTGTGGGAAGGCCTTTTCGATGGGGCTCAAGCCTCGTTATTCATAAGAGGATTCATACT
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AGAGAATCCACACAGGCCAAACCCGTATAAATGTAAGGAGTGTGGGAAGGCCTTTTATTTATGGATCGAG
CCTCGTAAACATGAGAGAATTCATACCGGGGTGAAACCCATGGGTGTACAGAATGTGGGAAGAGCCTTT
AGTCACGGCCATCAGCTTACACAACATCAGAAAACGCACAGTGGGGCGAAATCCTACGAATGTAAGGAGT
GCGGGAAGGCATGTAACCACCTAAACCATCTCCGAGAACATCAGAGGATCCACAACAGTGA
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Clone variation with respect to NM_018555.5



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018555 unedited
 GAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCTGTGACTGGTCGGG
 ATCGGGCTGGATGCATGGCCTTTTGTAGTGAGCACAGGTGTGTGCGACCATGTCACCTGT
 CTTTCTAGTGTCTCCGTTGCTTCTGTGCCTTGGCCTTCCAGCCATGTGGTACCTGCTAG
 GGAGCAGTGGTCCCAAAGTGACGTGAGAGGCTCTACGCTGTTGTGAAAATGACCAAGAAG
 AAGGCTTCACAAGTACGAGATGGCAGTTTTGGAGCCAGAAGTGCTCTCCGTGCACACTA
 CCTGGACGACAAGAGGAAGTAACCTCAAGAATAGAATTCCTTTTGGGGAAGAAAGAGCTG
 GCCTTCAGGAAAAGCATCCCGGAGGAGGAAGAAGAAGTGTATATGTCCTAAAGTAAGGT
 TTCAGGCCAGCATCCTTCAGAAAAGCATCCCGAGGAGGAAGACGAATCGTTAAACATC
 TGAAAAGGTCAGGCCAGCATCCTTCAGAAAAGCATCCCGAGGAGGAAGACGAATCGTT
 AAACATCTTAGGTCAGCTTTACCAGTGAGGAAACCGACACTGTGAGCTCTAGCCTCTCGG
 AATTTGTCTTCTCAGTGAAACCCCGAGAGACTGATCAGTTCTCAGTTCTAAAACAAT
 GGCCAGGTTTGGTGACGTTCCGCCAGTAGCCATAGACTTTTCTCAGGAGGAGTGGGC
 CTGTCTGAACTCTGCTCAGAGGGACCTGTACTGNGACGTGATGCTGGAGAACTACAGNTA
 CTGNTCTCACTGGATTTGGAGTCACTATGAAANTAGAGTTTACCTACGAAAAACATT
 CTGAAATAAGGGCTTCAAAGGAATCAATAGAGAATAATCCTGNCCGACTGGAAGTGAAG
 TACCTGAAGACCACGCTCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018555 unedited
 CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAAGTTGAGAACTTTCACC
 TTTTCATTTAAAAGGAAGCACTTTGTGGCTTCTTTGGCATATCCGAATCACCAGCATC
 ACTACTCTGCTCTCTGGGGCCACTGTTAAGCAAAGTGAGGACTGCTTGGGCACAGGCAC
 TGTGATGCTGGGATAGTTGATCTGATCACCAAGACGGCTACTAAGTCACTAGCAGGTGG
 GTGGCGTATACAGCGTGGATGTGCTGGACCAAGGATGACTCACATCCCCGGCCGCTGG
 AGCCGGACAGCGAGAGATTTTCATCACGCTACTCAGAAGGGCACACCATTTGAGACTTAAA
 ATTCTTTATTTCTGGAATTTTCCATTTAATTTTTTGAAGTGCAGTTGACTGCAGGTAAC
 AAAGTGTGAAAGCGAAACCATAGATACGAGCGGGCTACTGCGTTCAAAAGGCTCTTCAA
 CTGTTGTGGATCCTCTGATGTTCTCGGAGATGGTTAAGTGGTTACATGCCTTCCCGCAC
 TCCTTACATTCGTAGGATTTCCGCCACTGTGCGTTTTCTGATGTTGTGTAAGCTGATGG
 CCGTGACTAAAGCTCTTCCACATTTCTGTACACCCATAGGGTTTACCCCCGTATGACTT
 TTCTCATTGTTTACGAGGCTTCGACCCATTAATGAAAACCTTCCACACTCCTTACATT
 TATACCGGGTTTCGCCCTGTGTGGATCCTTCTCGGGCTTGAGTGATGGGATAGCCACC
 AATGGAAGGCCCTCCACATTTCCGGCCTTGTACCGTTTTTCCGCCGTATGTATCCTC
 TTTGGGCTTACGAGGTCGAACCCACGGAAGAGCCCTTCCACCTCCCTTAACTTCT
 GGAGCTTTCTAACCGGGGCGGACTTCTTATGCTGGAAAAAGAATCTGATTTTGATAAAG
 GCCTCTCCACTTTTTTACAATATT

Restriction Sites:

NotI-NotI

ACCN:

NM_018555

Insert Size:

2570 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_018555.4](#), [NP_061025.4](#)

RefSeq Size: 5163 bp

RefSeq ORF: 1392 bp

Locus ID: 55422

UniProt ID: [Q9NQX6](#)

Cytogenetics: 19q13.42

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a zinc finger protein containing a KRAB (Kruppel-associated box) domain found in transcriptional repressors. This gene may be methylated and silenced in cancer cells. This gene is located within a differentially methylated region (DMR) and shows allele-specific expression in placenta. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding the same protein. [provided by RefSeq, Nov 2015]

Transcript Variant: This variant (1, also known as g) represents the longest transcript. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.