

Product datasheet for **SC321251**

ZNF331 (NM_001079907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF331 (NM_001079907) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF331
Synonyms:	RITA; ZNF361; ZNF463
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001079907.1
 ATCCCAACTGCGCCTGAGACCTTGTTCACCTCCTGATGTGCTGGGTGTGGTTAGGCCTC
 GAGCCGGGAGCTATTTGCCTCCCAGGAGGAAGCCAGGGCAGGGTCCGCGGGGAATGGCG
 GTGAGGGAGCCACTCGGGACGCGGAGGCCCTAAAATGAAGAAGCTTCGGCCTGAGGCTTC
 GGGAGCGCGGAGCAGTGTCTCCGTTGCTTCTGTGCCTTGGCCTCCAGCCATGTGGTAC
 CTGCTAGGGAGCAGTGGTCCCAAAGTACGTGAGAGGCTGTACGCTGTTGTGAAAATGAC
 CAAGAAGAAGGCTTCACAAGTCACGAGATGGCAGTTTTGGAGCCAGAAGTGCCTCCGTG
 CACACTACCTGGAGGACAAGAGGAAGTAACCTCAAGAATAGAATTCCTTTGGGGAAGAA
 AGAGCTGGCCTTCAGGAAAAGCATCCCGAGGAGGAAGAAGAAGTGTATACGCTCTAA
 GTAAGGTTTCAGGCCAGCATCCTTCAGAAAAAGCATCCCCGAGGAGGAAGACGAATCGTT
 AAACATCTTAGGTCAGCTTTACCAGTGAGGAAACCGACTGTGAGCTCTAGCCTCTCGG
 AATTTGTCTTCTCAGTGAAACCCCGAGAAGACTGATCAGTTCTCAGTTCTAAAAACA
 TGGCCCAGGGTTTGGTGACGTTCCCGACGTAGCCATAGACTTTTCTCAGGAGGAGTGGG
 CCTGTCTGAACTCTGCTCAGAGGGACCTGTACTGGGACGTGATGCTGGAGAACTACAGTA
 ACTTGGTCTCACTGGATTTGGAGTCAGCATATGAAAATAAGAGTTTACCTACAAAAAAA
 ACATTCATGAAAATAAGGGCTTCCAAAAGGAATTCAGATAGAAGAAGTAAATCCCTTGGCC
 GTAAGTGGATATGTGAAGGTACGCTTGAAGACCACAGCGCTCCAGAGGGAGGTATGTCA
 ATCAGATGATCATCAATTATGTCAAAAGGCCTGCTACTAGAGAAGGCACCCCTCCTAGAA
 CACATCAGAGACATCATAAGGAGAATTCCTTTGAATGTAAGGACTGTGGGAAGGCCTTTA
 GTCGTGGCTATCAACTTAGTCAACATCAGAAAAATCCATACTGGTGAGAAACCTTATGAAT
 GTAAGAATGTAAGAAGGCCTTCCGTTGGGGCAATCAGCTTACTCAACATCAAAAAATTC
 ATACTGGGAGAAAGCCCTACGAATGTAAGACTGTGGGAAGGCTTTTCGATGGGGCTCAA
 GCCTCGTTATTCATAAGAGGATTCATACTGGTAAAAACCTATGAATGTAAGACTGTG
 GAAAGGCCTTTCCGCGTGGTGATGAGCTCACTCAGCACCCAGAGATTCCACACTGGGGAGA
 AAGACTACGAATGCAAAGACTGTGGGAAGACCTTTAGCCGTGTGTATAAACTTATTCAGC
 ACAAGAGAATTCATAGTGGGAGAAAGCCTTACGAGTGTAAAGACTGTGGGAAGGCTTTTA
 TTTGTGGTTCAAGCCTCATTACGATATAAAAGAAATTCACACAGGTGAGAAACCTATGAAT
 GTCAAGAATGTGGGAAGGCCTTTACTCGAGTCAATTACCTTACTCAGCATCAGAAGATCC
 ACACCGGTGAGAAAGCCTCACGAATGTAAGGAGTGTGGGAAGGCCTTTTCGTTGGGTTTCA
 GCCTCGTTAAGCACGAGAGGATACATACGGGCGAGAAGCCGTACAAGTGCACAGAATGTG
 GGAAGGCCTTCAATTGTGGCTATCACCTCACTCAGCACGAGAGAATCCACACAGGCGAAA
 CCCCGTATAAATGTAAGGAGTGTGGGAAGGCTTTCAATTTATGGATCGAGCCTCGTGAAAC
 ATGAGAGAATTCATACCGGGGTGAAACCTATGGGTGTACAGAATGTGGGAAGAGCTTTA
 GTCACGGCCATCAGCTTACACAACATCAGAAAACGCACAGTGGGGCGAAATCCTACGAAT
 GTAAGGAGTGCGGGAAGGCATGTAACCACTAAACCATCTCCGAGAACATCAGAGGATCC
 ACAACAGTTGAAGAGCCTTTTGAACGCAGTAGCCCGCTCGTATCTATGGTTTCGCTTTCC
 ACAGTTTGTACCTGCAGTCAACTGCAGTTCAAAAATATTAATGGAAAATTCAGAAAT
 AAAGAATTTAAGTCTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001079907

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_001079907.1, NP_001073376.1</u>
RefSeq Size:	4171 bp
RefSeq ORF:	1392 bp
Locus ID:	55422
UniProt ID:	<u>Q9NQX6</u>
Cytogenetics:	19q13.42
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2, also known as b) differs in the 5' UTR compared to variant 1. 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.</p>