

## Product datasheet for **SC108346**

### ZNF100 (NM\_173531) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF100 (NM_173531) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF100
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_173531, the custom clone sequence may differ by one or more nucleotides

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ATGGATGACCCGAGGTATGGAATGTGTCCTCTCAAGGGAGCAAGTGGATGCCCTGGGGCTGAGAGGAGTC
TTCTGGTGCAGTCTTATTTTAAAAAGGGCCATTGACGTTTAGGGATGTGGCCATAGAATCTCTCTGGA
GGAGTGGCAATGCCTGGACAGTGTCTCAGCAGGGTTTGTATAGGAAAGTGATGTTAGAGAACTACAGAAAC
CTGGTCTTCTTGGCAGGTATTGCTCTCACTAAGCCAGACCTGATCACCTGTCTGGAGCAAGGAAAAGAGC
CCTGGAATATAAAGAGACATGAGATGGTAGCCAAACCCCAAGTTATATGTTCTCATTTCCTCCCAAGACCT
TTGGGCAGAGCAGGACATTAAAGATTCTTTTCAAGAAGCGATTCTGAAAAAATATGGAAAATATGGACAT
GACAATTTACAGTTACAAAAAGGCTGTAAAAGTGTGGATGAGTGTAAAGTGCACAAAAGAACATGATAACA
AATTAACCAGTGTTTGATAACTACCCAGAGCAACATATTTCAATGTGATCCATCTGCAAAAAGTCTTTCA
TACATTTTCAAATTCAAACAGACATAAGATAAGACATACTAGAAAGAAACCTTTCAAATGTAAAAAATGT
GAAAAATCATTTTGCATGCTTTTACACCTAACTCAACATAAAAAGATTTTCATATTACAGAGAATTCCTACC
AATGTAAGATTGTGGCAAAGCCTTCAACTGGTCTCAACCCCTACTACACACAGGAGAATTCATACTGG
AGAGAAAACCTACAAATGTGAAGAATGTGGGAAAGCATTAAACCGGTCTCACACCTTACTACACATAAG
ATAATTCATACTGGAGAGAAACCATACAGATGTGAAGAATGTGGGAAAGCTTTTAAACCGGTCTTCACACC
TACTACACATAAAAAGAAATTCATACTGGAGTGAACCCCTACAAATGTACAGAATGTGGCAAAGCTTTTAA
CCGGTCTCACACCTTACTACACACAGGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGT
GGCAAAGCCTTTAACCAGTCTCAACCCCTACTACACATAAGATAACTCATGCTGGAGAGAAACCTTACA
AATGTGAAGAATGTGGCAAAGCTTTTACCATTCTCATACCTTACTAAACATAAGACAAGTCATACTGG
AGAGAAATTCACAAATGTGAAGAATGCGGCAAAGGCTTAACTGGTCTCAGCCCTCACTAAACATAAG
AGAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAATGACTCTCAAAC
TTACTACCATAAGATGATTCATACTGGAGAGAAACCTACAAATGTGACGAATGTGGCAAAGCCTTTAA
CCGGTCTCACAACTAACTGCACATAAGATGATTCATACTGGAGAGAAACCTACAAATGTGAGGAATGT
GGCAAAGCTTTTAAACCGATCCTCAACCCCTACTAAACATAAGATAACTCATACTGGAGAGAAATCTTACA
AATGGGAAGAATGTGGTAAAGACTTTAACCAGTCCCTAAGCCTTATTAACAAAATAACTCATACTGGAG
AGAAACCTACAAATGTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_173531 unedited

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NGGGGGTGCAAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGTA
GGGGCCTAGCCTGTGTGGCCCTCTGACCTGCAGATATTGGGAGATCCACAGCTAAGACGC
CAGGACCCCTAGAAGCCTAGAAATGGATGACCCGAGGTATGGAATGTGTCCTCTCAAGG
GAGCAAGTGGATGCCCTGGGGCTGAGAGGAGTCTTCTGGTGCAGTCTTATTTTAAAAAGG
GGCCATTGACGTTTAGGGATGTGGCCATAGAATCTCTCTGGAGGAGTGGCAATGCCTGG
ACAGTGCTCAGCAGGTTTGTATAGGAAAGTGATGTTAGAGAACTACAGAAACCTGGTCT
TCTTGGCAGGTATTGCTCTCACTAAGCCAGACCTGATCACCTGTCTGGAGCAAGGAAAAG
AGCCCTGGAATATAAAGAGACATGAGATGGTAGCCAAACCCCAAGTTATATGTTCTCATT
TTCCCAAGACCTTTGGGCAGAGCAGGACATTAAGATTTCTTTTCAAGAAGCGATTCTGA
AAAAATATGGAAAATATGGACATGACAATTTACAGTTACAAAAAGGCTGTAAAAGTGTGG
ATGAGTGTAAAAGTGCACAAAAGAACATGATAACAAATTAACCAGTGTGTTGATAACTACC
AGAGCAACATATTTCAATGTGATCCATCTGCAAAAAGTCTTTTACATATTTCAAATTTCAA
ACAGACATTAGATAAGACATACTAGAAAGAAACCTTTCAAATGTAAAAAATGTGAAAAAT
CATTTTGCATGCTTTTACACCTAACTCACATAAAGATTCATATACAGAGAATCCTACCAT
GTAAAGATTGTGCAAGCCTTCACTGTTCTCACCCCTTACTCCACAGGAGATTCTACTGGAG
AGAACCTACC
    
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_173531

**Insert Size:**

4700 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173531.1</a> , <a href="#">NP_775802.1</a>
<b>RefSeq Size:</b>	4479 bp
<b>RefSeq ORF:</b>	4479 bp
<b>Locus ID:</b>	163227
<b>UniProt ID:</b>	<a href="#">Q8IYN0</a>
<b>Cytogenetics:</b>	19p12
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.