

## Product datasheet for **SC100310**

### ZNF268 (NM\_003415) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF268 (NM_003415) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF268
Synonyms:	HZF3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003415, the custom clone sequence may differ by one or more nucleotides

```
ATGGCCACCAGGGTCCGGACAGCTTCTATTTGGGTCCACCTCTCCAAGAACGAAACAGTTCATGGGATA
GGATCAGAAAAGCTCCAAGGTCAGGAATCCATCTTGGGCCAAGGGACTCCTGGTCTGCAACCTCTCCCTGG
AACACCCAGGCAGAAGCAGAAGAGTCGAGAATAGAGAAAAGTCTAGAGTGGCTGTTTATTTCCCAAGAG
CAGCCAAAAATCACCAAGTCCTGGGACCTTTGTCAATCATGGATGTGTTTGTGGATTTTACCTGGGAGG
AGTGGCAGCTGCTAGACCCAGCACAGAAGTGCCTGTACAGGAGTGTGATGTTGGAGAACTATAGCAACCT
GGTGTCCCTAGGGTACCAACACACCAAACCTGATATCATCTTCAAGTTGGAACAAGGAGAAGAGCTGTGT
ATGGTGCAGGCCAAGTTCAAAATCAGACCTGTCCAAACACAGTCTGGAAAATTGATGATCTTATGGATT
GGCATCAGGAAAAATAAGACAAGCTGGGAAGTACGGCAAAAAGCTTTGAATGCACACATTTGGAAAACCT
ATGTCTTCTTAGTACAAAGTATCTTTCAAGACAAAACCTCATAAATGTGGCAGCATGGAAAGAGTTTG
AAATATATAGATTTCACTAGTGATTATGCTAGAAAATAATCCTAATGGGTTTCAGGTACATGGAAAATCAT
TCTTCCATTCTAAACATGAGCAAAGTATTGGAATAAAAATCTGTGAAAGATTGAATCTGGAAAAAC
CGTCAATAAGAAAATCGCAAATTTATGTGCCAACAAATGTATATGGGCGAAAAACCCCTTTGGATGCAGCTGT
TGTGAGAAAAGCCTTCAGCAGCAAGTCATACCTTCTAGTGCATCAGCAAACCTATGCCGAAGAGAAAACCTT
ATGGTTGTAATGAATGTGGGAAAGACTTCAGTAGTAAATCATACCTCATTGTACATCAGAGAATTCATAC
AGGAGAGAAAACATACGAATGCAGTGAATGCAGGAAAACATTCAGTTTCCATTACAGCTTGTATACAT
CAGAGAATTCACACAGGTGAGAAATCCCTATGAGTGCTGTGAATGTGGGAAAGTCTTCAGTAGGAAAGACC
AGCTTGTTCACACCAGAAAACCTATTCAGGACAGAAAACCATATGTGTGAATGAATGTGGGAAAGCTTT
TGGTTTAAAATCACAGCTCATTATACATGAAAGAATTCATACAGGAGAGAAAACCATATGAATGCAATGAA
TGTGAGAAAAGCCTTTAATACAAAGTCAAACCTTATGGTACATCAGAGAACCCATACAGGGGAGAAAACCTT
ATGTTTGTAGTGATTGTGGAAAAGCCTTTACATTCAAAGTACAGCTCATTGTACATCAGGGGATTACACAC
AGGAGTAAAGCCCTATGGGTGATTTCAGTGTGGTAAAGGATTCAGTTTGAATCAGACTCATTGTACAT
CAGAGAAGTCACACAGGAATGAAACCTTATGTATGCAATGAATGTGGCAAAGCCTTCAGGAGCAAGTCAT
ACCTTATTATACATACAAGGACTCATACAGGAGAAAAACCTCCATGAATGCAACAATTGTGGGAAAGCCTT
CAGTTTTAAAATCACAGCTCATTATACATCAGAGGATTCATACAGGAGAGAAAACCCCTATGAATGCCATGAA
TGTGGGAAAGCCTTCAGTCGAAATACCAGCTTATTTACACCAGAGAACTCATGCAGGAGAGAAAGCCTT
ATGAATGCACCGACTGTGGAAAGCCTTTTGGTTTAAAGTACAGCTTATTATACACCAGAGAACTCATAAC
AGGGGAGAAAACCTTTGAATGTAGTGAGTGTGAGAAAGCCTTTAATACAAAGTCAAACCTGATTGTACAT
CAGAGAAGTCATACAGGAGAGAAAACCTATAGTTGTAATGAATGTGGAAAAGCCTTTACGTTCAAATCAC
AGCTCATTGTACATAAAGGAGTGCACACTGGAGTAAAACCTATGGATGCAGTCAATGTGCAAAAACCTT
TAGTTTGAAGTCCAGCTCATTGTACATCAGAGAAGTCACACAGGAGTAAAACCATATGGATGCAGTGAG
TGTGGGAAAGCCTTCAGGAGCAAGTCATACCTTATTATACATATGAGAAGTCATACAGGAGAGAAAACCCAC
ATGAGTGCAGGGAATGCGGGAAATCCTTTAGTTTCAATTCACAACCTCATTGTGCATCAGAGAATTCACAC
AGGAGAAAATCCCTATGAATGCAGTGAATGTGGGAAAGCCTTTAATAGGAAAGACCAGCTCATTTACAT
CAGCGAACTCATGCAGGGGAAAAGCCTTATGGTGCAGTGAATGTGGGAAAGCCTTTTAGCAGCAAGTCAT
ACCTAATTATACACATGAGAAGTCAATTCAGGTGAAAAACCATATGAATGAATGAATGTGGGAAAGCCTT
CATTTGGAAATCACTACTCATTGTACATGAGCGAACTCATGCAGGGTCAACCCTTATAAATGCAGTCAA
TGTGAGAAATCCTTCAGTGGGAAATTACGCTTCTTGTACACCAGAGAATGCACACAAGAGAGAAAACCAT
ATGAATGCAGTGAGTGTGGAAAAGCCTTATTAGGAATTCCTCAACTCATTGTACATCAAAGAAGTCAATTC
AGGAGAGAAAACCTATGGGTGCAATGAATGTGGGAAAACCTTCTCTCAAAAATCAATTCAGTGCACAT
CAGAGAACACATACAGGAGAGAAAGCCTTGAAGTGCAGTGAATGTGGGAAAGCCTTTTGTGGAAGTCAC
AGCTCATTATGCATCAGAGAAGTCAATGTAGATGACAAACATTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003415 unedited  
 GTGTTCAACATTATGTNATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGATT  
 GTTCCGCGCCGATGGCGAGATCCTTGTTCTCAGATAGCGTTCATCGCCCGTCGTGGTCA  
 ACGGGCCAGCCGAGTCTGGAGTGGTTGCGAACCTTCTGGCTGCAGATCTGGAGGTGGAG  
 GCAGTACCCTGGACTCTATTCTGCTGCCCTTCAGGGTTGGAGGAGCCGGAGCATCCCT  
 CGCGTCTGTCACTTCCAGCGAGGCACAAAACTGACCGTAGGGATGGCCACCAGGGTC  
 CGGACAGCTTCTATTTGGGTCCACCTCTCCAAGAACGAAACAGTTCATGGGATAGGATC  
 AGAAAGCTCCAAGGTCAGGAATCCATCTTGGGCCAAGGGACTCCTGGTCTGCAACCTCTC  
 CCTGGAACACCCAGGCAGAAAGCAGAAGAGTCGAGAATAGAGAAAAGTCTAGAGTGGCTG  
 TTTATTTCCCAAGAGCAGCCAAAAATCACCAAGTCTGNGGACCTTTGTCATTCATGGAT  
 GTGTTTGTGGATTTACCTGNGAGGAGTGGCAGCTGCTAGACCCAGCACAGAAGTGCCTG  
 TACAGGAGTGTGATGTTGGAGAATATAGCAACCTGGTGTCCCTAGGGTACCAACACACC  
 AAACCTGATATCATCTTCAAGTTGGAACAANGAGAAGAGCTGTGTATGGTGCANGCCCAA  
 GTTCCAAATAGACCTGTCCAACACAGTCTGAAAAATGATGATCTTATGGATTGGCATCAA  
 GAAAATAAGACACGCTGGAAGTACCGAAAAAGCTTTGATGCACTANCATTTGAAAACTA  
 TGCTTTCTTTATACAAAGTATCTTTCAAGAAAAACCTCATAAATGTGCCCGCATGAAAG  
 AAGTTGAATATATAGATTTCACTAGTGATTATGCTAAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003415 unedited  
 GAACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAA  
 AAAAACTTCAAGGTGAGGTTAACAGTCCAGCTGTGGTTTATTTGGTACATTCATAAGA  
 TGTTCACTCCTATATATATTTTTCCCTAGGGGTTTCTCATTTCTAGATTTACACTTTCC  
 CTATAGCATGGTCCCTCCAAGGTATATGCTTCCGATACATAAAATGTTTGAATTTTGT  
 TAATTTCTGCCATTCATTAGCTCAATAATTTCTCTCATTAAAAATCTGTAACATGAATT  
 TCAAAGAAGTCTATTCTATATTCATCTGGTTCATGAAGTTTCTCTTTGTGAATCTTATG  
 TTAGTAAAATGACTTTACAACGTTTAAACATGGTTCCTCACCTGTATGAACTTTTAAAAA  
 AAGGTATGACTTGCTGCTAAAAATTTTCAGAGTGGTTACTAAATTCAGTTTTCTGTGTA  
 TTGTCTACTATCTTTTGCATGTAAGAACAGCTTTCTGTGGATGCCTTTCCATATGCTG  
 TGCATTCATAAAGTTCTATTCAATGATGTTTCTGGAAGAGACAAAATGATTCCACTTA  
 CAGAGTTTCTCTTTATATATGATTGTTTCTATCTCTGTGAATCCACTTTTCAGAGTTT  
 GTAAAATTATCAATGTTTGTCTACATGAGTTCTCTGATGCATAATGAGCTGTGACTT  
 CCAACAAAAGGCTTTCCACATTCAGTGCATTTACNAAATTTCTCTCCTGTATGTGTTCT  
 CTGATGTGCACTGAGAAATGATTTTTGAGAGAAAGTTTTCCACATTCATTGCACCCCTA  
 GGGTATCTCTCCTGAATGAGTTCTTTGATGTACATGAGTTGAGAATCCCAATGAAGGCTT  
 TTCCCACTCACTGCATTCATATGGTTCTCTCCTGGGGCTCCCTTGGGTTCAGAAAGACG  
 TATTTTCCCTGAAGATTCTCACATGACTGCGTTATTAAGTTGGACCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003415

**Insert Size:**

4000 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).

<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_003415.1</a> , <a href="#">NP_003406.1</a>
<b>RefSeq Size:</b>	5756 bp
<b>RefSeq ORF:</b>	2844 bp
<b>Locus ID:</b>	10795
<b>UniProt ID:</b>	<a href="#">Q14587</a>
<b>Cytogenetics:</b>	12q24.33
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>Isoform 1: Acts as a transcriptional repressor. Inhibits erythroid differentiation and tumor cell proliferation. Plays a role during ovarian cancer development and progression. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 2 both encode isoform a. 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>