

## Product datasheet for SC313000

### ZNF396 (NM\_145756) Human Untagged Clone

#### Product data:

|                           |                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                     |
| Product Name:             | ZNF396 (NM_145756) Human Untagged Clone                                                 |
| Tag:                      | Tag Free                                                                                |
| Symbol:                   | ZNF396                                                                                  |
| Synonyms:                 | ZSCAN14                                                                                 |
| Mammalian Cell Selection: | Neomycin                                                                                |
| Vector:                   | pCMV6-Entry (PS100001)                                                                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                    |
| Fully Sequenced ORF:      | >SC313000 representing NM_145756.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGTGCAAAATTGGGAAAGTCATCATCACTCCTAACACAACTTCAGAGGAGTGTAATGGGATTCTG
ACAGAGAAGATGGAAGAGGAAGAGCAGACCTGTGATCCAGACTCTAGCCTCCACTGGAGCAGCAGCTAC
AGCCCAGAGACCTTCGCCAGCAATTCAGGCAGTTTGGCTACCAGGATTCACCTGGGCCCATGAGGCT
CTGAGCCGGCTCTGGGAACCTTGTCTCTCTGGCTGAGGCCGGAAGTGCACACCAAGGAGCAGATCCTG
GAGCTGCTGGTGTGGAGCAGTTCTGGCCATCCTCCCAAAGAGCTTCAGGCCTGGGTGCAGAAGCAT
CATCCAGAGAATGGAGAGGAACTGTGACTATGCTGGAGGATGTGGAGAGAGAGCTTGATGGACCAAAG
CAGATCTTTTTTGGACGAAGGAAGGACATGATTGCAGAGAAGCTAGCACCTTCAGAAATCACTGAGGAA
TTGCCAAGTAGCCAGCTCATGCCGTGAAGAAGCAGCTCCAGGGAGCATCATGGGAGCTTCAGTCCTTA
AGACCACATGATGAAGACATCAAACTACAAATGTGAAATCTGCTTCAAGGCAAAAGACTTCTTTAGGC
ATAGAAGTGCATTGCAATGTTTCCAATATCCTTCATATGAATGGCTCCAGAGTTCACATATAGAGGA
ACCTATGAACAAGATGGTAGGTTTGAAAGAGACAAGGAAACCTTCTTGAAAAACAACAGAAATGT
GATGAATGTGGCAAAATCTTTAGTCAGAGCTCAGCCCTTATTTTACATCAGAGAATCCACAGTGGAAAG
AAACCTTATGCATGTGACGAGTGTGCAAGGCATTGAGCCGAAGCGCAATTCTGATTCAGCATCGACGA
ACCCATACTGATTCAAAATATGAACATGCGATTGCAGAGGCCCAAAGAATATGTACTTCAAGACTAGG
CTGAAGTGCCCCAGGTCACCTTTCAGGAGGCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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|--------------------|-----------|
| Restriction Sites: | SgfI-MluI |
| ACCN:              | NM_145756 |
| Insert Size:       | 1002 bp   |


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>OTI Annotation:</b>        | 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                                                                                                                                                                                                                                                       |
| <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>                | <u><a href="#">NM_145756.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 2788 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1002 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 252884                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q96N95</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 18q12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Domains:</b>               | LER, zf-C2H2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                    | 38.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Isoform 1 and isoform 2 act as DNA-dependent transcriptional repressors.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                 |