

Product datasheet for **SC116474**

ZNF443 (NM_005815) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ZNF443 (NM_005815) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ZNF443 |
| Synonyms: | ZK1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005815, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCAGTGGCTTTAGAGGATGTGGCTGTGAACCTCACCCGAGAAGAGTGGGCTTTGCTGGGTCCTT
GTCAGAAGAATCTCTACAAAGATGTGATGCAGGAAACCATCAGGAACCTGGATTGTGATGAATGAAATG
GAAAGACCAGAACATTGAAGATCAATATAGATATCCAGGAAAAATCTAAGATGTCGTATGTTAGAGAGA
TTTGTTGAAAGTAAAGATGGAACCTCAATGTGGAGAAACATCTAGCCAGATTCAAGATAGTATTGTGACCA
AGAACACTCTTCCTGGAGTAGGTCCTTGTGAAAGCAGTATGAGAGGAGAAAAAGTCATGGGTCATTCATC
CCTTAATTGTTACATCAGAGTTGGTGTGGGCACAAACCACATGAGTATCATGAATGTGGAGAGAAGCCA
GATACGCATAAAACAGTGGGAAAGCCTTCAGTTACCACAACCTATTTCAAACACATGAGAGGCTTCACA
CTGGAAGAAACCATATGATTGTAAGAATGTGGGAAGTCCTTCAGTTCTTTGGGAAACCTTCAAAGACA
CATGGCAGTGCAGCGTGGAGATGGACCTTATAAATGTAAGTTGTGTGGGAAAGCGTTTTTTGGCCAGT
TTATTACATATGCATGAAAGAACGCACACTGGAGAGAAACCATATGAATGTAAGCAGTGTCTAAAGCCT
TTTCTTTTACAGTTCTATCTAAGACATGAAAGAACACATACTGGGAGAAACCGTATGAATGTAACA
GTGTTCTAAAGCCTTTCCTTTTACAGTTCTATCTAAGACATGAAAGAACACATACTGGGAGAAACCA
TATAAATGTAAGCAGTGTCTAAAGCCTTCCCTGATTCCAGTTCTTGTCTAATACATGAAAGAACTCACA
CTGGAGAGAAACCTATACATGTAACAATGTGGGAAAGCCTTCAGTGTTCGCGTTCCTTCAAAGACA
TGAAACCACTCACAGTGCAGAGAAACCTATGCATGTCAGCAATGTGGGAAAGCGTTTCATCATCTGGGA
AGCTTTCAAAGACACATGATAAGGCACACTGGAATGGACCTCATAAATGTAAGATATGTGGGAAAGGCT
TTGATTGCCTAGTTCAGTGCAGTCAAGCTTTCGAAGTCATATGATAATGCACACTGGAGATGGACCT
CATAAATGCAAGGTATGTGGGAAAGCCTTTGTTTATCCAGTGTATTTCAAAGACATGAAAGGACTCACA
CTGCAGAGAAACCTATAAATGTAACAATGTGGCAAAGCCTACCGTATTTCCAGTTCCTTCGAAGGCA
TGAAACAACCTCATACTGGAGAGAAACCTATAAATGCAAACCTGGGAAAGCCTTTATTGATTCTGTTC
TTTCAAATCACAAAACACTCACACTGGAGAGAAGCCATATGAGTGTAAAGGAATGTGGGAAAGCATTCA
GTCGTTTCAGATACCTTCTCGACATAAAAGGACTCACACAGGAGAGAAACCTTATGAGTGTAAAACATG
TAGGAAAGCCTTCGCTCATTATGATAACTTAAAGGTACATGAAAGAATTCAGTCTGGAGAGAAGCCGTAT
GAATGTAAGGAATGTGGGAAAGCATTCTCTGGCTCACTTGTCTTCTACGACATGAAAGAATTCACATGA
GAGAGAAATCCTATGAATGTCCACAATGTGTAAGCCTTCACTCATTCCCGTTTTCTCAAGGACATGA
AAAACTCATACTGGAGAGAACCGTATGAATGTAAGGAATGTGGGAAAGCATTGCTTCTCAGTTCC
TTGCATAGACATAAAAAGACTCACTGGAAAAAACTCACACTGGAGAGAACCCATATGAATGTAAGGAAT
GTGGGAAAGCATTGCTTCTCAGTTCCTTGCATAGACATAAAAAGACTCACTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005815 unedited

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AGCATTTTGTAAATACGACTCACTATTAGGGCGGCCGATTCGGCACGAGGACCGACCTG
GAGTTCCGTGGCAGCCTGTGTCCCGGGAAACCCGCATTGGCAGCGGGAGCCGTCGGGAG
GACCTGGGACACCGGGAAGTCGGGAAATGGCCTCAGTGGCTTTAGAGGATGTGGCTGTG
AACTTCACCCGAGAAGAGTGGGCTTTGCTGGTCTTGTGAGAAGAACTCTACAAAGAT
GTGATGCAGGAAACCATCAGGAACCTGGATTGTGTAGGAATGAAATGGAAAGACCAGAAC
ATTGAAGATCAATATAGATATCCAGGAAAAATCTAAGATGTCGTATGTTAGAGAGATT
GTTGAAAGTAAAGATGGAACCTCAATGTGGAGAAACATCTAGCCAGATTCAAGATAGTATT
GTGACCAAGAACACTCTTCCTGGAGTAGGTCCATATGAAAGCCGTATGAGTGGAGAAGTC
ATCATGGGTCATTATCCCTAATTGTTACATCAGAGTTGGTGTGGGCACAAACCATAT
GAGTATCATGAATGTGGAGAGAAGCCAGATACGCATAAAACAGTGGGAAAGCCTTCAGT
TACCACAACCTCACTTCAAACACATGAGAGGCTTCACTGGAAAGAAACCATATAATTGT
AAAGAATGTGGGAAAGTCTTCAGTTCTTTGGGAAACCTTCAAAGACACATGGCAGTGCAG
CGTGGAGATGGACCTTNAATAAATGTAGTTGTGTGGGAAAGCGTTTTTTGGCCAGTTTA
TTACATATGCATGAGAGAAGCCACTGGAGAGAAACCTATGAATGTAAGCAGTGTCTAA
AGCCCTTTTCTTTTACAGNTCCCTATCTAGACATGAAAGAACACATACTGGGAGGAAA
CCGTATGAATGTAACAGTGTCTAAAGCCTTNCCTGATACAGNTCC
    
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_005815 unedited CGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAGTTGAAACAAAGAACTTTAA TGTTCTGGCTGACTATACTATGTTGATAGGCTGACAATTACTGCATCTATACTGAAAATA CATAGACTCTTTTCCTTATCATGAGTCCCTAAACAATACAATAGAACAACATTTTGCATA GCTTTTACAATGCATGAGGTATTTAAGTAATCTAGACATAATTGAGAGTATAACAAGAGG ATGTGGTAAGTTACATACAAATATGTCATTTTATAAAAGGGACTGGACATGGCTCACGG AGTGTGGAACCAATACCCAGCAGGTATCAAGGGATGACTGTACTGGAAGAAACTGAAA TTACTTAAGTTTTACCAAGTGCTTACATTACAGGGTCTATCTCCAATGTGTTTCGTAC AAGTATCTGAAATGAAATAAAATTAATAAATGCTTTCCACATTCCATACATTTAGAGAG AATGCTAGTGAGTCTTTTATGTCTATGCAAGGAACTGAGAGAAGCAAATGCTTTCCAC ATTCCTTACATCCATACGGGTTCTCTCCAGTGTGAGTTTTTTTCCAGTGAGTCTTTTAT GTCTATGCAAGGAACTGAGAGAAGCAAATGCTTTCCACATTCTTACATTCATACGGAG TCTCTCCAGTATGAAGTTTTTCATGTCTTTGAGAAAACGGGAATGAGTGAAGGCTTTAC CACATTGTTGACTCATAAGGNTTCTCTCTCATGTGAAATTCTTTCATGTTTCGNAAAA AGCAAGTGAAGCAAGAGAATGCCTTTCCACATTTCTACATTCATACGGGCTTCTCTTCA AAAGTAAATTCTTTCATGTACTTTTAAAGTTACAAAAGACTGAAAGGCTTCTTAAATGT GTTAACCTATAAGGNTTCTTCTCCGTGTGGAGCCTTCTTGTGGAGAAAGTTGGAACAAC TGATGCTTCCACTCCCTACACTATAGCCTTTTCCACAGATATGTTGAATTTGAAGAA AAN |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_005815 |
| Insert Size: | 2640 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: | <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_005815.2</u> , <u>NP_005806.1</u> |
| RefSeq Size: | 2736 bp |
| RefSeq ORF: | 2736 bp |
| Locus ID: | 10224 |
| UniProt ID: | <u>Q9Y2A4</u> |
| Cytogenetics: | 19p13.2 |

Domains: KRAB, zf-C2H2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Zinc finger proteins (ZNFs) bind DNA and, through this binding, regulate gene transcription. Most ZNFs contain conserved C2H2 motifs and are classified as Kruppel-type zinc fingers. For a general description of these proteins, see ZNF91 (MIM 603971).[supplied by OMIM, Jul 2002]