

## Product datasheet for **SC114781**

### ZHX2 (NM\_014943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZHX2 (NM_014943) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZHX2
Synonyms:	AFR1; RAF
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_014943, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAGCAAACGAAAATCTACAACCTCCATGCATGGTTCGGACATCACAAGTAGTAGAACAAAGATGTGC
CCGAGGAAGTAGACAGGGCCAAAGAGAAAGGAATCGGCACACCAGCCTGACGTGGCCAAGGACAGTTG
GGCAGCAGAACTTGAAAACCTCTTCAAAGAAAACGAAGTGATAGAGGTGAAATCTATGGGGAAAGCCAG
TCCAAAAAAGCTCAAGGTGGTTATGAGTGCAAATCTGCCCTACTCCACGCAAAACCTGAACGAGTTCA
CGGAGCATGTCGACATGCAGCATCCCAACGTGATTCTCAACCCCTCTACGTGTGTGCAGAATGTAACCT
CACAACCAAAAAGTACGACTCCCTATCCGACCACAACCTCAAAGTCCATCCCGGGGAGGCCAACTTCAAG
CTGAAGTTAATTAACGCAATAATCAAACGTCTTGGAAACAGTCCATCGAAACCACCAACCATGTCGTGT
CCATCACCACCAGTGGCCCTGGAACGTGACAGTGATTCTGGGATCTCGGTGAGTAAAACCCCATCAT
GAAGCCTGGAAAACAAAAGCGGATGCCAAGAAGGTGCCAAGAAGCCCGAGGAGATCACCCCGAGAAC
CACGTGGAAGGGACCGCCCGCTGGTGACAGACACAGCTGAGATCCTCTCGAGACTCGGGGGGTGGAGC
TCCTCCAAGACACATTAGGACACGTGATGCCTTGTACAGCTGCCACCAATATCAACCTGTGCCAA
GGTCCCTGTCCCACTAAATACTACCAAAATACAACTCTGCCCTGGATACAAATGCCACGATGATCAACTCT
TTCAACAAGTTTCTTACCCGACCCAGGCTGAGTTGCTTGGCTGACAGCTGCCTCCAAAACCCAGAGG
AGCACATCAGAATCTGGTTTGCCACCCAGCGCTTAAAGCATGGCATCAGCTGGTCCCCAGAAGAGGTGGA
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CAGTTGGCCCCACAAGGTGACGCAGCCCATCTCCAGACGGCTCTACCGTGCCAGATCCTCGGCCAGA
CTAGCCTGGTGTGACTCAGGTGACCAGCGGGTCAACAACCGTCTTGTCTCCCATCACACTTGGCGT
GGCAGGAGTACCAACCATGGCCAGAAGAGACCTTGGTGACTCCCAAGCTGCCCCGAACCCAAAGCGT
CCACACATCGCTCAGGTGCCAGAGCCCCACCCAAAGGTGGCAACCCCGCTCACACCAGCCAGCACC
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CGAGGTTTACCGCTCATCGAGGTGACTGGCCTTGCCAGGAGCGAGATCAAGAAGTGGTTAGTGACCAC
CGATATCGGTGTCAAAGGGGCATCGTCCACATCACCAGCGAATCCCTTGCCAAAGACCAGTTGGCCATCG
CGGCTCCCGACAGGTGCGACGTATCATGCGTACCCAGACTTTGCCCCAGAAAGTTCAAAGAGAAAAC
ACAGGGTCAGGTTAAAATCTTGAAGACAGCTTTTGAAGTCTTTTCTACCCAAGCAGAAGTGGAT
CGGCTAAGGGTGGAGACCAAGCTGAGCAGGAGAGAGATCGACTCCTGGTTCTCGGAGAGGGCGAAGCTT
GAGACAGCATGGAACAAGCTGTCTTGGATTCCATGGGGTCTGGCAAAAAGGCCAAGATGTGGGAGCCCC
CAATGGTGTCTGTCTCGACTCGACCAGCTCTCCGGTGCCAGTTAACAAGTTCTCTGCCAGCCCTTCG
CCAGCAATTGCAAAAAGTCAAGAACAGGTTTCATCTCTGAGGAGCACGTTTGCAAGAACCAGTGGCCTA
CTCCCCAGGAGTACGACCAGTTAGCGGCCAAGACTGGCCTGGTCCGAACTGAGATTGTGCGTTGGTTCAA
GGAGAACAGATGCTTGTGAAAACGGGAACCGTGAAGTGGATGGAGCAGTACCAGCACCAGCCCATGGCA
GATGATCACGGCTACGATGCCGTAGCAAGGAAAGCAACAAAACCCATGGCCGAGAGCCCAAGAAGACGGGG
GTGATGTGGTTCCACAATATTACAAGGACCCCAAAAAGCTCTGCGAAGAGGACTTGGAGAAGTTGGTGAC
CAGGGTAAAAGTAGGCAGCGAGCCAGCAAAAAGACTGTTTGGCAGCAAAGCCCTCAGAGGCCACCTCAGAC
CGGTGAGAGGGCAGCAGCCGGGACGGCCAGGGTAGCGACGAGAACGAGGAGTGCAGCGTTGTGGATTACG
TGGAGGTGACGGTCCGGGAGGAGGATGCGATCTCAGATAGATCAGATAGCTGGAGTCAGGTCGGGCAGA
AGGTGTGTCGGAAGTGGCTGAATCAGACTCCGACTGCGTCCCTGCAGAGGCTGGCCAGGCCTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014943 unedited</p> <pre>CCGCGAATTCGGCACCAGATCGAGGCATTTTTTTTCCCTTTTTTTTCTTTTTTTTTTTT CTTTTAAAAATTTTGGCCACCCTTCCCGTACGGGGGCTTTTTCTGTCTGTCTGTCTGGC TGGCAGGCTGGCTTTCCCCTCTTTCCACGGAGCCGAGCCGGGCGCCCGTGGGGAGT GGGGAGTGGTGGGGGGAGCCAGCAGAGTTCCATTTTGAACGCCCGTCCCGCTCTCCG CGTTCCCAGCCCGGTCCCCGCTTCCACAGCCCCAGCGAGTCTGGATGTACCGAATGC TTTTGGAATAAAAAGATTCCCAGGATGTGAGCAACACGGGACCGATATGATGCTTCTGG TGTGTTTGTGGTGGTCCATTCCAATTTTCTGTGCTGAAATCATTCTGAAAACTCAAA CAGTAGACTTCAGCACACAAGGAAAGCCAAAGCATTGAGGGGGAATAAAGCCAAAAGC CTTTCACCTTATTCGTTCCAAGAATCTCACCGCCCCCTCTTATCCCCCTCCAAAAATA GCCATTGCACACAGACAGGCAGCATGGCTAGCAAACGAAAATCTACAACCTCATGCATGG TTCGGACATCACAAGTAGTAGAACAAAGATGTGCCCGAGGAAGTAGACAGGGCCAAAGAGA AAGGAATCGGCACACCACAGCCTGACGTGGCCAAGGACAGTTGGGCAGCANAACCTGAAA CTCTTCAAAGAAACGAATGN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014943 unedited</p> <pre>ATGGACGAAGACGCAATCNATAGTCGAGTTTTTTTTTTTTTTTTTAAAAAGTTTAGTCTT TGCTTTATTGAGTTACAACAAATGAGCAACAAGTTAGAAAAATTGGTTTTATTCAAACCTT CCTAGCGTTTGACTTGTGCGGTGACTCAAATGGGGGGCAGTGTGGGACGGGGAGGGATT GCAACCAGAGTTCATACTGCAACACGTAATCTGTTATGTCTCTTGGTTTTCTTCTTTT AAAAGTTAGGACTAACTGAAAAAGTGCCTCAGGTATCTAAAATTGTCCCAAAACAAACA CACACACAAAACAAAAAATCAATTCATGGTGAGCTTTGAGCTAAAATCTTGCAATA CCACACCGAGAAAAGGCAGTGAAGAAGAGAAATGAAAACCAAGCCATTACCTCTGTAC CCTCCAGATAGGAAGATCTTATTGTTGTTGTTTTAATGTCACAATAGTACTGATCATGCT AACAGAGGCGGGAGCCTTCTGCTGGTATTTAGAAAAGTGCTTAAAGAAGTCAGCCACC TGCTACCCAGTCTCCCAGGGCTGGCTGGGCACAGCCTGGCCCAAGAGGCCGAGCAGTTG AGAAGCCAGATCCCCTCTTGGCAGTTCAGAAAGCCTTGTGTGGGGCTAAGGCAGGGACCC CCAAAAGGCAGCCAGGGGAAGAACTGAAAGGAATTTGATTTGGAAGATCTGCCGTCTGT CACCTCTCTCCAGTTGAGACAGGGGCCTGGATTTAGCCCTTTCTGCGCAGAATCTCCAAA TTTACCCTACCTTTAAAAATAAAGTCTCCCTACTAAAATCCAGAGATTTCATGGCACTATGC TAACACCCTTTCCCAATATTTCCCTTTTTCCCATGATATAGTGAAGACAAAGCAGGTG GTTACCTCTCTGAAAAACCTTCAGGTAGGCTGAAAGAATTGCCTTGTAAAAGGACAAA TCCCTGCCAACCTTCGATAAAA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014943
<b>Insert Size:</b>	4530 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).

**Reconstitution Method:**

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:** [NM\\_014943.3](#), [NP\\_055758.1](#)

**RefSeq Size:** 4373 bp

**RefSeq ORF:** 2514 bp

**Locus ID:** 22882

**UniProt ID:** [Q9Y6X8](#)

**Cytogenetics:** 8q24.13

**Domains:** homeobox, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric transcriptional repressors that interact with the A subunit of nuclear factor-Y (NF-YA) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 2 of this gene family. In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family. [provided by RefSeq, Jul 2008]