

## Product datasheet for **SC320573**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014943.3  
CTCCGTACGGGGCTTTTTCTGTCTGTCTGTGGCTGGCAGGCTGGCTTTCCCCTCTT  
TCCCACGGAGCCCGAGCCGGCGCCCGTGGGGAGTGGGGAGTGGGTGGGGGAGCCAGC  
AGAGTTCCATTTTGAACGCCCGTCCCGCTCTCCGCTTCCCAGCCGGTCCCGCGT  
TCACAGCCCCAGCGCAGGTCTGGATGTACCGACTGCTTTTGAATAAAAAAGATTCCCAGG  
ATGTGAGCAACACGGGACCGATATGATGCTTCTGGTGTGTTAGTGGTGGTGCCATTC  
CAATTTTCTGTGCTGAAATCATTCTGAAAACCTCAAACAGTAGACTTCAGCACACAAGAA  
AGCCAAAGCCATTTGAGGGGAAATAAGCCAAAAGCCTTTCACCTTATTCGTTCCAAGAA  
TCTCACC GCCCCTCTTATCCCCCTCCAAAAATAAGCCATTGCACACAGACAGGCAGCA  
TGGCTAGCAAACGAAAATCTACAACCTCCATGCATGGTTCGGACATCACAAGTAGTAGAAC  
AAGATGTGCCCGAGGAAGTAGACAGGGCCAAAGAGAAAGGAATCGGCACACCACAGCCTG  
ACGTGGCCAAGGACAGTTGGGCAGCAGAACTTGAAAACCTTCCAAAGAAAACGAAGTGA  
TAGAGGTGAAATCTATGGGGGAAAGCCAGTCCAAAAAACTCCAAGGTGGTTATGAGTGCA  
AATACTGCCCTACTCCACGCAAAAACCTGAACGAGTTCACGGAGCATGTCGACATGCAGC  
ATCCCAACGTGATTCTCAACCCCTCTACGTGTGTGCAGAATGTAACCTCACAACCAAAA  
AGTACGACTCCCTATCCGACCACAACTCCAAGTCCATCCCGGGAGGCCAATTC AAGC  
TGAAGTTAATTAACGCAATAATCAAACCTGTCTTGAACAGTCCATCGAAACCACCAACC  
ATGTCGTGTCCATCACCACCAGTGGCCCTGGAACCTGGTACAGTATTCTGGGATCTCGG  
TGAGTAAAACCCCATCATGAAGCCTGGAAAACCAAAAGCGGATGCCAAGAAGGTGCCCA  
AGAAGCCCGAGGAGATCACCCCGAGAACCACGTGGAAGGGACCGCCCGCTGGTGACAG  
ACACAGCTGAGATCCTCTCGAGACTCGGCGGGGTGGAGCTCCTCCAAGACACATTAGGAC  
ACGTATGCCTTCTGTACAGCTGCCACCAATATCAACCTTGTGCCCAAGGTCCCTGTCC  
CACTAAATACTACCAATACAACCTCTGCCCTGGATACAAATGCCACGATGATCAACTCTT  
TCAACAAGTTTCTTACCCGACCCAGGCTGAGTTGCTCTGGCTGACAGCTGCCTCCAAAC  
ACCCAGAGGAGCACATCAGAATCTGGTTTGCCACCCAGCGCTTAAAGCATGGCATCAGCT  
GGTCCCCAGAAGAGGTGGAGGAGGCCCGGAAGAAGATGTTCAACGGCACCATCCAGTCAG  
TACCCCGACCATCACTGTGCTGCCCGCCAGTTGGCCCCACAAGGTACGCAGCCCA



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TCCTCCAGACGGCTCTACCGTGCCAGATCCTCGGCCAGACTAGCCTGGTGTGACTCAGG  
 TGACCAGCGGGTCAACAACCGTCTCTTGCTCCCCATCACAATTGCCGTGGCAGGAGTCA  
 CCAACCATGGCCAGAAGAGACCCCTTGGTACTCCCAAGCTGCCCCGAACCCAAGCGTC  
 CACACATCGCTCAGGTGCCAGAGCCCCACCCAAGGTGGCCAACCCCGCTCACACCAG  
 CCAGTGACCGCAAGAAGACAAAGGAGCAGATAGCACATCTCAAGGCCAGCTTCTCCAGA  
 GCCAGTTCCTTGACGATGCCGAGGTTTACCGGCTCATCGAGGTGACTGGCCTTCCACGA  
 GCGAGATCAAGAAGTGGTTCAGTGACCACCGATATCGGTGTCAAAGGGGCATCGTCCACA  
 TCACCAGCGAATCCCTTGCCAAAGACCAGTTGGCCATCGCGGCCTCCCGACACGGTCGCA  
 CGTATCATGCGTACCCAGACTTTGCCCCCAAGTTCAAAGAGAAAACAGGGTCAGG  
 TTAATACTTTGGAAGACAGCTTTTTGAAAAGTTCTTTCTACCCAAGCAGAAGTGGATC  
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 GTAGCGACGAGAACCAGGAGTTCGAGCGTGTGGATTACGTGGAGGTGACGGTTCGGGGAGG  
 AGGATCGGATCTCAGATAGATCAGATAGCTGGAGTCAAGGTCAGGTCAGGAGGAGGTTGTCGG  
 AACTGGCTGAATCAGACTCCGACTGCGTCCCTGCAGAGGCTGGCCAGGCCATAGACAGGGA  
 AGTCTGTTAGAAGTGTGTGCTGATCAACGGGACGCTCCGTCTTTGAAGAAGAAGAGAT  
 GGTCTCTCCCAGCCATGGGCCACCCCTTGCCAGTACTCCAAGTGGAACTACTTAGCTCG  
 CGTGTGCTGGAGGGTGCAGGAAAGTCCAGCGACTCTCAGACGCACCTCCCAGAGGACCGG  
 TGGGAATTGTTTATAGTCCAAAGTCTACTACTGCGTTTTTCAAGTGGTCTTTGTACATA  
 GTTTGCTCCTCTGCCCTAGCCCTCACCTTTGCTATACTGGAACCGATTTGTACAATGTG  
 GGAATTTTGTACCTTTTAAATCAAGGGCAACTTCTTTTCCAGCACTACCATTGTAAGG  
 TTTTTTTCAGGAGGGAGGCTAACCACCTTGCTTTTCTTTTTCTTTTTCTTTTTTTTT  
 ATTTTTGTTTTTAAATTTGGGAAAGGGTGTAGCATTAGTGCCATGATATCTACTGG  
 ATTTTAAAGCAGGGAGACTTTATTTTTAAAGGTAGGTTGAAATTTGGGAGATTTCTCGGCA  
 GGAAGGGCTGAAATCCAGGCCCTGTCTCAACTGGAGAGAGGTGACAGACGGCAGATCT  
 TCCAAATCAAATTCCTTTCCAGTTCTTCCCCTGGCTGCCTTTTTGGGGTCCCTGCCTTA  
 GCCCACACAAGGCTTTCTGAACTGCCAAGAGGGGATCTGGCTTCTCAACTGCTCGGCCT  
 CTTGGGCCAGGCTGTGCCAGCCAGCCCTGGGAGAAGTGGGTAGCAGGTGGCTGACTTCT  
 TTAAGCACCTTTCTAAATACCAGCAGAAGAGGCTCCCGCCTCTGTTAGCATGATCAGTAC  
 TATTGTGACATTAACAACAACAATAAGATCTTCTATCTGGAGGGTACAGAGGTGAAT  
 GGCCTTGGTTTTTCAATTTCTTCTTCACTGCCTTTTCTCGGTGTGGTATTTGACAAGATT  
 TTAGCTCAAAGCCTCACCATGAATGATTTTTTTTTGTTGTGTGTGTTTGTGTTTGGGA  
 CAATTTTAGATACCTGAGTGCACCTTTTTCAGTTAGTCTAACTTTTAAAAGAAGGAAAAC  
 CAAGAGACATATCTGGTACGTGTTGCAGTATGAACTCTGGTTGCAATCCCTCCCCCTC  
 CCACACTGCCCCCAATTTGAGTACGCCGACAAGTCAAACGCTAGGAAGTTTGAATAAAA  
 CCAATTTTCTAACTTGTGCTCATTTGTTGTAAGTCAATAAAGCAAAGACTAAACATTT  
 TTATAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_014943

<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_014943.3</a></u> , <u><a href="#">NP_055758.1</a></u>
<b>RefSeq Size:</b>	4373 bp
<b>RefSeq ORF:</b>	2514 bp
<b>Locus ID:</b>	22882
<b>UniProt ID:</b>	<u><a href="#">Q9Y6X8</a></u>
<b>Cytogenetics:</b>	8q24.13
<b>Domains:</b>	homeobox, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]