

## Product datasheet for **SC320654**

### **ANKZF1 (NM\_001042410) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKZF1 (NM_001042410) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKZF1
Synonyms:	Vms1; ZNF744
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_001042410.1  
 GAGCCGCTCAGCTCCCGGGACGTTTGGAGCTGCTGCTAAATAATTTCTGCTCAGCCATGT  
 CGCCGGCTCCAGATGCAGCCCCGGCTCCTGCGTCGATCTCCCTGTTTGACCTCAGCGCGG  
 ATGCTCCGGTCTTTTCAGGGCCTGAGCCTGGTGAGCCACGCGCCTGGGGAGGCTCTGGCC  
 GGGCTCCGCGTACTTCTGTTTCAGGCTCAGGGGAGAGAAAAGCCAGAAAAGAAAGCTAC  
 TCCAGGGTCTATGGATATTTTCAGAGAAGTTATTTTGTCAACTGTGACCAGACCTTCC  
 AGAACCAACAAGAACAGAGGGAACATTATAAGCTTGACTGGCATCGGTTTAACTAAAGC  
 AACGTCTCAAGGACAAGCCTCTCCTGTCTGCCCTGGACTTTGAAAAGCAGAGCTCCACAG  
 GAGATCTTTCCAGCATCTCGGGATCAGAAGACTCAGACTCAGCCAGTGAGGAGGACTTGC  
 AGACACTGGATCGGGAGAGGGCTACATTTGAGAAGTTGAGCCGACCCCCAGGCTTTTACC  
 CTCATCGAGTTCTTTTCCAGAATGCCAGGGCCAGTTTCTTTATGCCTACCGCTGTGTCC  
 TAGGCCCTCATCAGGATCCCCAGAAGAGGCAGAACTGCTGTACAGAACCTGCAAAGTA  
 GAGGTCCCAGAGACTGCGTGGTGTCTATGGCTGCAGCTGGGCACCTTGTGGTGTATAT  
 TTCAAGGAAGAGAAGTGGTGACACAAAACTTTTACCCTATACGGTTCGGGCCAAGC  
 GGGGCACAGCCCAGGGGCTTCGGGATGCCGAGGTGGGCCATCACACTCTGCTGGAGCCA  
 ACCTGAGGCGCTACAATGAAGCCACACTATATAAGGATGTTTCGTGACCTGCTGGCAGGGC  
 CAAGCTGGGCTAAGGCGCTGGAGGAGGCTGGTACAATACTGTTGCGTGTCCCCGCTCTG  
 GCCGCTTTTGTCTTTGGAGGCAAGGGAGCACCCCTGCAAAGGGGGGATCCCCGACTTT  
 GGGATATCCCCCTCGCCACCCGACAGCCACCTTCCAAGAGCTACAGCGTGTGCTCCATA  
 AGCTGACCACTTTGCATGTCTATGAAGAAGACCCTCGGGAAGCAGTCAGACTGCACTCAC  
 CTCAGACACACTGAAAAACAGTAAGAGAGGAGAGAAAAGCCTACTGAGGAAGAAATAA  
 GAAAGACTGCGAGGGATGAAAAGGAAGCCTGGGGCAGAATGAGGAATCTCCCAAACAGG  
 GTTCAGGGTCGGAGGGAGAAGATGGCTTTCAGGTAGAGTTGGAGCTAGTGGAGTTGACTG  
 TGGGGACTCTGGATCTTTGTGAGTCTGAAGTATTGCCAAGCGGAGGAGAGAAAAAGGA  
 ATAAGAAGGAGAAAAGCCGAGACCAGGAGGCTGGGGCACATCGGACTCTTCTCCAGCAAA  
 CTCAAGAAGAGGAGCCTTCCACACAGTCATCCCAGGCAGTTGCTGCCCCCTTGGGCCCTT  
 TGCTGGATGAGGCCAAAGCCCCTGGTCAGCCAGAGCTCTGGAATGCACTGCTTGCTGCTT  
 GCCGAGCTGGAGATGTTGGAGTGCTAAAGCTGCAGCTAGCTCCCAGCCCTGCAGACCCTA  
 GAGTTCTGTCTCTGCTCAGTGCCCCCTTGGGCTCCGGTGGCTTTACTCTCCTGCATGCAG  
 CAGCTGCAGCTGGAAGAGGCTCAGTGGTTCGTCTGCTGCTGGAAGCAGGTGCTGACCCCA  
 CTGTGCAGGACTCTCGGGCCCGCCACCTTATACTGTTGCGGCTGACAAATCAACACGTA  
 ATGAGTTCGAAGGTTTCATGGAGAAGAATCCAGATGCCTACGATTACAACAAGGCTCAGG  
 TGCCAGGACCATTGACACCAGAAATGGAGGCACGGCAGGCTACACGGAAAAGGGAGCAGA  
 AGGCAGCCCGGGGCAACGGGAGGAACAGCAGCAGAGGCAGCAGGAGCAGGAGGAGCGTG  
 AACGAGAAGAGCAGCGCGGATTTGCCGCCCTCAGTGACCGAGAGAAGAGAGCTCTGGCTG  
 CAGAGCGCCGACTCGCTGCCAGTTGGGAGCCCCACCTCTCCAATCCCTGACTTGCAA  
 TCGTCAATACTCGACGCTGCTGGAGTTGTGGGCATCCCTCCAAGGCCTGACTCCCTTTC  
 ACTACCTCGACTTCTCTTTCTGCTCCACACGTTGCCTCCAGGATCATCGCCGTCAGGCAG  
 GGAGGCCCTCTTCTGATCTCTTACAGCTCTACCTGGGGCCAACCTCAGGGACCTGAGAGG  
 GCACATTCACAGCAGCCCTAGTTTTTTTCTTCCCGTAAAACCAGAGATGATTTGGAAGA  
 TGGGGGTGAAGGACACTCGGGAAGTGGGCAAGACAGGGCTAGAGGTATGTGGAGCTGG  
 TACTGTCTCTGGAATTTAATACAATAAAGTTTGGCAAGGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001042410

**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).

<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>	<a href="#">NM_001042410.1</a> , <a href="#">NP_001035869.1</a>
<b>RefSeq Size:</b>	2521 bp
<b>RefSeq ORF:</b>	2181 bp
<b>Locus ID:</b>	55139
<b>UniProt ID:</b>	<a href="#">Q9H8Y5</a>
<b>Cytogenetics:</b>	2q35
<b>Gene Summary:</b>	<p>Plays a role in the cellular response to hydrogen peroxide and in the maintenance of mitochondrial integrity under conditions of cellular stress (PubMed:28302725). Involved in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR exon, compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>