

## Product datasheet for **SC319498**

### **ANKZF1 (NM\_018089) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKZF1 (NM_018089) 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\_018089.2  
 GAAATCCGGCAATCGACCTGAGGACTTGCAGCCGCTCAGCTCCCGGGACGTTTGGAGCT  
 GCTGCTAAATAATTTCTGCTCAGCCATGTCCGCGGCTCCAGATGCAGCCCCGGCTCCTGC  
 GTCGATCTCCCTGTTTGACCTCAGCGCGGATGCTCCGGTCTTTCAGGGCCTGAGCCTGGT  
 GAGCCACGCGCTGGGGAGGCTCTGGCCCGGCTCCGCGTACTTCTGTTTCAAGGCTCAGG  
 GGAGAGAGAAAAGCCAGAAAAGAAAGCTACTCCAGGGTCCATGGATATTTCAAGAAAGTT  
 ATTTTGTCAACTTGTGACCAGACCTTCCAGAACCACCAAGAACAGAGGGAAACATTATAA  
 GCTTGACTGGCATCGGTTTAAACCTAAAGCAACGTCTCAAGGACAAGCCTCTCCTGTCTGC  
 CCTGGACTTTGAAAAGCAGAGCTCCACAGGAGATCTTCCAGCATCTCGGGATCAGAAGA  
 CTCAGACTCAGCCAGTGAGGAGGACTTGCAGACACTGGATCGGGAGAGGGCTACATTTGA  
 GAAGTTGAGCCGACCCCAAGGCTTTTACCCTCATCGAGTTCTTTTCCAGAATGCCAGGG  
 CCAGTTTCTTTATGCCTACCGCTGTGTCTAGGCCCTCATCAGGATCCCCAGAAGAGGC  
 AGAACTGTGCTACAGAACCTGCAAAGTAGAGGTCCCAGAGACTGCGTGGTGCTCATGGC  
 TGCAGCTGGGCACTTTGCTGGTGTATATTTCAAGGAAGAGAAGTGGTGACACACAAAAC  
 TTTTACCAGCTATACGGTTCGGGCAAGCGGGCACAGCCAGGGGCTTCCGGATGCCCCG  
 AGGTGGGCCATCACACTCTGCTGGAGCCAACTGAGGCGCTACAATGAAGCCACACTATA  
 TAAGGATGTTCTGCTGACTGCTGGCAGGGCAAGCTGGGCTAAGGCGCTGGAGGAGCTGG  
 TACAATACTGTTGCTGCTCCCCGCTCTGGCCGGTCTTTGTTCTTTGGAGGCAAGGGAGC  
 ACCCCTGCAAAGGGGGATCCCCGACTTTGGGATATCCCCTCGCCACCCGACAGCCAC  
 CTTCCAAGAGCTACAGCGTGTGCTCCATAAGCTGACCACTTTGCATGTCTATGAAGAAGA  
 CCCTCGGAAGCAGTCACTGCACTCACCTCAGACACTGGAAAACAGTAAGAGAGGA  
 GAGAAAAGAACCTACTGAGGAAGAAATAAGAAAGATCTGCAGGGATGAAAAGGAAGCGT  
 GGGGCAGAATGAGGAATCTCCAAACAGGGTTCAGGGTCCGAGGGAGAAGATGGCTTTCA  
 GGTAGAGTTGGAGCTAGTGGAGTTGACTGTGGGACTCTGGATCTTTGTGAGTCTGAAGT  
 ATTGCCCAAGCGAGGAGGAGAAAAAGGAATAAGAAGGAGAAAAGCCGAGACCAGGAGGC  
 TGGGGACATCGGACTCTTCCAGCAAACCAAGAAGAGGAGCCTTCCACACAGTCATC  
 CCAGGCAGTTGCTGCCCCCTTGGGCCCTTGTGGATGAGGCCAAAGCCCTGGTCAGCC  
 AGAGCTCTGGAATGCACTGCTTGTGCTGCCCAGCTGGAGATGTTGGAGTGCTAAAGCT  
 GCAGCTAGCTCCAGCCCTGCAGACCCTAGAGTTCTGTCTCTGCTCAGTCCCCCTTGGG  
 CTCGGTGGCTTACTCTCTGCTGCAGCAGCTGCAGCTGGAAGAGGCTCAGTGGTTCCG  
 TCTGCTGTGGAAGCAGGTGCTGACCCACTGTGCAGGACTCTCGGGCCCGCCACCTTA  
 TACTGTTGCGGCTGACAATCAACACGTAATGAGTTCCGAAGGTTTCATGGAGAAGATCC  
 AGATGCCTACGATTACAACAAGGCTCAGGTGCCAGGACATTGACACCAGAAATGGAGGC  
 ACGGCAGGCTACACGAAAAGGGAGCAGAAGGCAGCCCGCGGCAACGGGAGGAACAGCA  
 GCAGAGGCAGCAGGAGCAGGAGGAGCGTGAACGAGAAGAGCAGCGGCGATTTGCCGCCCT  
 CAGTGACCGAGAGAAGAGAGCTCTGGCTGCAGAGCGCCGACTCGCTGCCAGTTGGGAGC  
 CCCTACCTCTCAATCCCTGACTCTGCAATCGTCAATACTCGACGCTGCTGGAGTTGTGG  
 GGCATCCCTCAAAGGCCGACTCCCTTTCACTACCTCGACTTCTTTTCTGCTCCACAGC  
 TTGCCCTCAGGATCATCGCCGTCAGGCAGGGAGGCCCTTCTGATCTTTACAGCTCT  
 ACCTGGGCAACTCAGGGACCTGAGAGGGCACATTCACAGAGCCCTAGGTTTTTTCTT  
 CCCCCTGAAACCAGAGATGATTTGGAAGATGGGGTGAAGGACACTCGGGAACAGGGCA  
 AAGACAGGGCTAGAGGTATGTGGAGCTGGTACTGTCTCTGGAATTTAATCACAATAAAG  
 TTTGGCAAGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_018089

**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_018089.2</a> , <a href="#">NP_060559.2</a>
<b>RefSeq Size:</b>	2594 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 (1) represents the longest transcript and encodes the longer isoform (1).</p>