

## Product datasheet for **RC238668**

### ANKZF1 (NM\_001282792) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKZF1 (NM_001282792) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKZF1
Synonyms:	Vms1; ZNF744
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238668 representing NM\_001282792  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCAGCTGGGCACCTTTGCTGGTGTATATTTCAAGGAAGAGAAGTGGTGACACACAAAACCTTTTC  
 ACCGCTATACGGTTCGGGCCAAGCGGGGCACAGCCAGGGGCTTCGGGATGCCCGAGGTGGCCATCACA  
 CTCTGCTGGAGCCAACCTGAGGCCTACAATGAAGCCACACTATATAAGGATGTTCTGTGACCTGCTGGCA  
 GGGCCAAGCTGGGCTAAGGCGCTGGAGGAGCTGGTACAATACTGTTGCGTGCTCCCGCTCTGGCCGT  
 CTTTGTCTTTGGAGGCAAGGGAGCACCCCTGCAAAGGGGGATCCCGACTTTGGGATATCCCCCTCGC  
 CACCCGCAGACCCACCTTCCAAGAGCTACAGCGTGTGCTCCATAAGCTGACCACTTTGCATGTCTATGAA  
 GAAGACCTCGGGAAGCAGTCAGACTGCACTCACCTCAGACACTGGAAAACAGTAAGAGAGGAGAGAA  
 AGAAGCCTACTGAGGAAGAAATAAGAAAGATCTGCAGGGATGAAAAGGAAGCGCTGGGCCAGAATGAGGA  
 ATCTCCAAACAGGGTTCAGGGTCGGAGGAGAAGATGGCTTTCAGGTAGAGTTGGAGCTAGTGGAGTTG  
 ACTGTGGGACTCTGGATCTTTGTGAGTCTGAAGTATTGCCAAGCGGAGGAGGAAAAAGGAATAAGA  
 AGGAGAAAAGCCGAGACCAGGAGCTGGGGACATCGGACTCTTCTCCAGCAAATCAAGAAGAGGAGCC  
 TTCCACACAGTCATCCCAGGCAGTTGCTGCCCCCTTGGGCCCTTGTGGATGAGGCCAAAGCCCCTGGT  
 CAGCCAGAGCTCTGGAATGCACTGCTTGTGCTTGCAGCTGGAGATGTTGGAGTGCTAAAGCTGCAGC  
 TAGCTCCCAGCCCTGCAGACCCTAGAGTTCTGTCTGTCTGCTCAGTGCCCTTGGGCTCCGGTGGCTTTAC  
 TCTCTGCATGCAGCAGCTGCAGCTGGAAGAGGCTCAGTGGTTCGCTGCTGCTGGAAGCAGGTGCTGAC  
 CCCACTGTGCAGGACTCTCGGGCCCGCCACCTTATACTGTTGCGGCTGACAAATCAACACGTAATGAGT  
 TCCGAAGGTTTCATGGAGAAGAAATCCAGATGCCTACGATTACAACAAGGCTCAGGTGCCAGGACCAATTGAC  
 ACCAGAAATGGAGGCACGGCAGGCTACACGGAAAAGGGAGCAGAAGGCAGCCCGCGCAACGGGAGGAA  
 CAGCAGCAGAGGCAGCAGGAGCAGGAGGAGCGTGAACGAGAAGAGCAGCGCGATTTGCCCCCTCAGTG  
 ACCGAGAGAAGAGAGCTCTGGCTGCAGAGCGCCGACTCGCTGCCAGTTGGGAGCCCTACCTCTCCAAT  
 CCCTGACTCTGCAATCGTCAATACTCGACGCTGCTGGAGTTGTGGGGCATCCCTCCAAGGCTGACTCCC  
 TTTCACTACCTCGACTTCTTTCTGCTCCACAGTTCGCTCCAGGATCATCGCCGTCAGGCAGGGAGGC  
 CCTTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238668 representing NM\_001282792  
 Red=Cloning site Green=Tags(s)

MAAAGHFAGAI FQGREVVTHKTFHRYTVRAKRGT AQGLRDARGGPSHSAGANLRRYNEATLYKDVRDLLA  
 GPSWAKALEEAGTILLRAPRSGRSLFFGGKGAPLQRGDPRLWDIPLATRRPTFQELQRVLHKL TLLHVYE  
 EDPREAVRLHSPQTHWKTVREERKKPTEEEIRKICRDEKEALQNEESPKQSGSEGEDGFQVELELVEL  
 TVGTLDLCESEVLPKRRRRKRKKEKSRDQEGAHRTLLQQTQEEEPSTQSSQAVAAPLGPLLDEAKAPG  
 QPELWNALLAACRAGDVGLKQLAPSPADPRVLSLLSAPLGGGFTLLHAAAAGRGSVVRLLEAGAD  
 PTVQDSRARPPYVAADKSTRNEFRFMEKNPDAYDYNKAQVPGPLTPMEARQATRKREQKAARRQREE  
 QQQRQQEQEEREREQRRAALSDREKRALAERRLAAQLGAPTSPIPDSAIVNTRRCWSCGASLQGLTP  
 FHLYDFSFCSTRCLQDHRRQAGRPS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

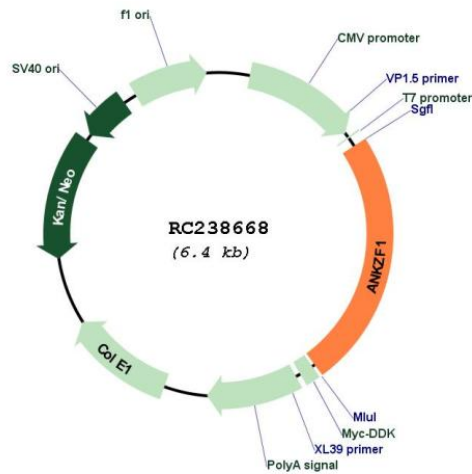
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001282792
<b>ORF Size:</b>	1548 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001282792.2</a>
<b>RefSeq Size:</b>	2193 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	55139
<b>Cytogenetics:</b>	2q35
<b>MW:</b>	58 kDa
<b>Gene Summary:</b>	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]