

## Product datasheet for **MC221297**

### Ankzf1 (NM\_026187) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankzf1 (NM_026187) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankzf1
Synonyms:	1300008P06Rik; 2810025E10Rik; D1Ertd161e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221297 representing NM\_026187  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAAACCGCTGGCGATGCGGCAGTAGGATCTCGTTCTGGAGAGTTGTTTCTGCCCTCCGTTTCTT  
 CTTCAGCCACGTCGCCAGCTCCAAGTGCAGCCTCAGCCCTGCCTCCGTTTCCCTGTTGTCCCTCAACGG  
 GGAAGCTCCACTCATTGGGGCCTGAGCCTGGTGGAGCCAGCTCTGGGAGGCTCTGGCCTGGGCGCCG  
 CGTACTTCTGTCCAGGAGAGAACAAGCTCGGGGGAAAAGTATCTCCATATTCTCTGAAATTTTCAG  
 AGAAATATTTTGTTCAGCCTGTGACCAGATCTCCAGAACCACCAGGAACAGAGAGAACATTATAAGCT  
 TGATTGGCATCGCTTAACTTAAAACAACGTCTCAAGAACAAGCCTCTCCTGTCTGCTTCCAGACTTTGAA  
 CAGCAAAGCTCCACAGGGGATCTTCCAGCATCTCAGGATCAGATGACACAGACTCCAGCAGTGAAGAGG  
 ACTTGCTGCCACTGGATGAGGGGAGGGTGAATCCGAGAAACCTAACCGGCCCCCGGATTCTACCCACA  
 TCGGGTCTTTTCAAAAACGCCAGGGCAGTTTCTTTATGCCTATCGTTGTCTTAGGCCCTCACCAG  
 ATTCGCCCAGAAAAGGCAGAATTGCTACTACAAAACCTACAGAATGGAGGTCCCAGATACTACGTGGTGC  
 TCATGGCTGCGGCTGGACATTTTGTGGTGCCATTTTCAAGGAAGAGAAGTGGTGGCACACAAAACCTT  
 TCACCGTTACACTGTGCGGGCCAAGCGGGGCACAGCCAGGGGCTTCCAGGATGCCCATGGTAGGGCATCC  
 CGCTCTGCTGGAGCCAATTGAGGCGTTACAATGAAGCCATGCTCTATAAGGATGTTCCGCAACCTGCTGG  
 CGGGGCCAATCTGGTCCAAGGCACTAGGGGAGGCAGAAACAGTATTGTTCCGAGCACCACGCTCTGGCCG  
 GTCCTTGTCTTTGGAGGCCAAGGGGCACCCCTACAAAGGGATGATCCCCGACTTTGGGATATCCCTCTC  
 ACCACCGCAGACCCACTTTTGGAGAGCTCCAGCGTGTACTCCATAAGCTGACCACCTTGCAAGTGTATG  
 ATGAAGACCCTCGAGAAATGGTCAGATTTCACTCTCCTGAGACACACTGGAAACCAGTGAGAGAAGAGAG  
 GAAAAAGGATACTGAGAAAGAAAAAACAAGGTCCCCAGTGATGCAAATAAGCCCTTGGGCAGGATGAA  
 GAACCACTCAAACAAGGTTCAAGTCTCAGGAAGAAGTGGTCCGAAGTAGAGTTGGAGCTAGTAGAAT  
 TGACCCTGGGGACCCTGGATCTTCGTGAATTTGAAGTACTGCCAAGCGGAGGAGGAGGAAGAAGAA  
 GGAGAGAAGTCAAGAGCAGCAGTGTGGGCACATGGGCCTCTTCTCAGCAACCTCAAGATGAGCCGTTT  
 TCACAGCCAACCCAAGAGGTTGAAACCCATTGGATACTTTGGTCTATGAGGCCAAGCCCTGGTCAGC  
 CAGAGCTCTGGGACACGCTTCTAGCTGCTTGTCTGCTGGGGAAGTTGAGGTGCTAAAGCTGCAGCTAGC  
 CACTGGGCTGGTAGCCCTGGAGTTAAGTCCCTGCTCAATGCCCTTTGGGCTCCGGTGGCTTTACTCTC  
 CTGCATGCAGCAGCCGACGCTGGAAGAGGCTTAGTAGTTCGTTTGTCTGTTGGAAGCAGGTGCTGATCCTA  
 CTGTGCAGGACTTAGGGCTCGGCCACCTTATACTGTAGCAGCTGACAAATCAACGCGTAATGAATCCG  
 GAGGTTTCATGGAGAAGAATCTTGATGCCTATGATTACAACAAGGCTCGGGTGCCAGGGCCATTGACTCAA  
 GAAATGGAGGCCCGGCAGGCTACAAGGAAAAAGAGCAGAAGGCAGCTCGACGGCAACGGGAGCAACAGC  
 AGCGGAAGCAGAGGGAGCAGGAAGAACAAGAGCAAGAGGAACAACGGCGGTTTGTGCCCTCAGTGACCG  
 GGAGAAGAGAGCTCTGGCTGCAGAGCCGACTTGTGCCAGTTGGGAGCCCTAGCCCTCCAGTTCTC  
 GACTCTGCAGTTGCTAGTGTGGACGCTGCTGGAGTTGTGGAGTGTCCCTCCAAGGCCTATTCCCTTTC  
 ACTACCTCGACTTCTCTTCTGCTCCACAGTTGCCTTCGAGACCATCGCAGTCAGGCGGGGAGACCTTC  
 ATCTTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_026187  
**Insert Size:** 2247 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).
<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_026187.5</a> , <a href="#">NP_080463.3</a>
<b>RefSeq Size:</b>	2752 bp
<b>RefSeq ORF:</b>	2247 bp
<b>Locus ID:</b>	52231
<b>Cytogenetics:</b>	1 38.62 cM
<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 (By similarity). Involved in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>