

Product datasheet for **MC226506**

Ankzf1 (NM_001267620) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankzf1 (NM_001267620) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ankzf1
Synonyms: 1300008P06Rik; 2810025E10Rik; D1ErtD161e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226506 representing NM_001267620
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAAACCGGCTGGCGATGCGGCAGTAGGATCTCGTTCTGGAGAGTTGTTTCTGCCCTCCGTTTCTT
CTTCAGCCACGTCGCCAGCTCCAAGTGCAGCCTCAGCCCCTGCCTCCGTTCCCTGTTGTCCTCAACGG
GGAAGCTCCACTATTGGGGCCTGAGCCTGGTGAGCCAAGCTCCTGGGAGGCTCTGGCCTGGGCGCCG
CGTACTTCCTGTCCAGGAGAGAACAAGCTCGGGGGAAAAGTATCTCCATATTCTCTGAAATTTTCAG
AGAAATATTTTGTTCAGCCTGTGACCAGATCTCCAGAACCACAGGAACAGAGAGAACATTATAAGCT
TGATTGGCATCGCTTTAACTTAAAAACAAGTCTCAAGAACAAGCCTCTCCTGTCTGCTTCAGACTTTGAA
CAGCAAAGCTCCACAGGGGATCTTTCCAGCATCTCAGGATCAGATGACACAGACTCCAGCAGTGAAGAGG
ACTTGCTGCCACTGGATGAGGGGAGGGCTGAATCCGAGAAACCTAACCGGCCCGGATTCTACCCACA
TCGGGTCTTTTCAAAAACGCCAGGGCCAGTTTCTTTATGCCTATCGTTGTGCTCCTAGGCCCTCACCAG
GCAAGTAACAGTCCAGATTGTGTGCTCACTCCAACTTTGTATACTAGGTTTTCCTCAGCCAATGTATG
TCTATTTTCTTCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001267620
Insert Size: 720 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001267620.1, NP_001254549.1</u>
RefSeq Size:	1218 bp
RefSeq ORF:	720 bp
Locus ID:	52231
UniProt ID:	<u>Q80UU1</u>
Cytogenetics:	1 38.62 cM
Gene Summary:	<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 (2) lacks several 3' exons but includes an alternate 3' exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct and shorter C-terminus, compared to isoform 1.</p>