

Product datasheet for **RN202381**

Ankzf1 (NM_001014219) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankzf1 (NM_001014219) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ankzf1
Synonyms:	RGD1359242
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202381 representing NM_001014219
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGCCAGCTCCACGTGCAGCCCCAGTCCCTGCCTCGTTCCTGTTGACCCCTCAACGGGAAGCTC
 CACTTGTTCGGGGCCTGAGCCTGGTGAAGCAAGCTCCCGGGAGGCTCTGGCCTGGGCGCCGCTACTTC
 CTGTCCAGGAGAGAACAAGCTCAGGGAGAAAAGTATCTCCATGTTCTCTGGATATTTAGATAAATTA
 TTTTGTTCAGCCTGTGACCAGGTCTTCCAGAACCACAGGAACAGAGAGAACATTATAAACTTGATTGGC
 ATCGCTTTAACCTAAAACAACGTCTCAAGAATAAGCCTCTCTATCTGCTTCAGACTTTGAAAGGCAAAG
 CTCCAGAGGAGATCTTTCCAGCATCTCAGGATCAGAAGACTCAGACTCAGCCAGTGAAGAGGACTTGCTG
 AACTGGATGAGGAGAGGGCTGAATCTGAAAAACCAACCGACCCCTGGATTCTACCCACATCGGGTCC
 TTTTCAGAAACGCCAGGGCCAGTTTCTTTATGCCTATCGTTGTGTCTAGGCCCTCACCAGATTCCTCC
 AGAAAAGGCAGAATTGCTGCTACAAAACCTGCAAAATGGAGGTCCAGACACTACGTGGTCTCATGGCT
 GCAGCTGGGCATTTTGTGCTGGTGCCATTTTCCAAGGAAGAGAAGTGGTGGCACACAAAACCTTTCACCGTT
 ACACTGTGCGGGCCAAGCGGGGCACAGCCAGGGCCTTCAGGATGCCAGGGTAGGGCATCCCGCTCTGC
 TGGAGCCAACCTTGAGGCGTTACAATGAAGCCATGCTCTACAAGGATGTTCTGACCTGCTGGCAGGGCCA
 ACCTGGTCCAAAGCACTAGGAGAGGCAGAAACAATACTGCTGCATGCCCCACGCTCTGGCCGGTCTTGT
 TCTTTGGAGGCCAAGGGGCACCCCTACAAGGAGTGATTTCCGACTTTGGGATATCCCTCTACCACCCG
 CAGACCACCTTTTGGAGAGCTTCAGCGTGTACTCCATAAGCTGACCACCTTGACGGTGTATGATGAAGAC
 CCTCGAAGAAATGGTCAGATTTCACTCTCTGAGACACACTGCAAAACAGTGAGAGAAGAGAGGAAAAGGG
 ATACTGAGAAAAGAAAAACAAGGTCCCTAGTGATGCAAATAAGGCACCTTGGGCAGGATGAAGAACCCT
 CAAACAAGGTTCCGAGTCTCAGGAAGAAGATGGCTCCGAAGTAGAGTTGGAGCTAGTAGACTGACACTG
 GGGACCCTGGATCTTCTGTAATTTGAAGTATTGCCAAGCGGAGGAAGAAGAGGAAAAAGAGGAGAGAA
 GTCAAAAGCAGCAATGTGGGGCACATGGGCCCTTCTTCAGCAACCTCAAGATGAGCCATTCTCACAGCC
 AACCCAAGTGGTTGCAACCCCATTTGGACTTTGGTCGATGAGGCCAAAGCCCTGGTCAACCAGAGCTC
 TGGGATATGCTTCTAGCTGCTTGTGCTGCTGGGAAAGTTGAGGTGCTAAAGCTGCAGCTAGCCACTGGGC
 CTGTAGACCCTGGAGTTATGTCCCTACTCAGTGCCCTTTGGGCTCTGGTGGCTTACTCTCTGCTGATGC
 AGCAGCCGAGCTGGAAGAGGCTTAGTAGTTCTGTTTGGTGGAGGCAGGTGCTGACCCCACTGTGCAT
 GACTCTAGGGCTCGGCCACCTTACTGTAGCAGCTGACAGATCAACCGTAATGAATTCGGAGGTTCA
 TGGAGAAGAATCTTGATGCTTATGATTACAGCAAGGCTCGGGTGCAGGGCCATTGACTCAAGAAATGGA
 GGCCCGCAGGCTACAAGGAAAAAGGAGCAGAAGGCAGCTCGACGGCAGCGGGAGCAACAGCAGCGGAAG
 CAGAGGGAACAGGAAGAACAGGAGCAAGAGGAGCGAAGGCGGTTTGTGCCCTCAGTGACCGAGAGAAGA
 GAGCTCTGGCTGCAGAGCGCCGACTTGTGCCAGTTGGGAGCCCTAGCCCTCCAGTTCCTGACTCTGC
 AGTTGTCAATGCTGGCGCTGCTGGAGTTGTGGTGTGTCCTCCAAGGCCTATTCCCTTCACTACCTC
 GATTTCTTTTCTGCTCCACACGTTGCCTTCGAGACCATCGCAGTCAGGCAGGGAGGCCGTCATCA**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001014219

Insert Size: 2169 bp

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).

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_001014219.1, NP_001014241.1</u>
RefSeq Size:	2702 bp
RefSeq ORF:	2169 bp
Locus ID:	363255
UniProt ID:	<u>Q66H85</u>
Cytogenetics:	9q33
Gene Summary:	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]