

Product datasheet for MR228717

Ankzf1 (NM_001267620) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankzf1 (NM_001267620) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ankzf1
Synonyms: 130008P06Rik; 2810025E10Rik; D1ErtD161e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228717 representing NM_001267620
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAAACCGGCTGGCGATGCGGCAGTAGGATCTCGTTCTGGAGAGTTGTTTCTGCCCTCCGTTTCTT
CTTCAGCCACGTCGCCAGCTCCAAGTGCAGCCTCAGCCCCTGCCTCCGTTCCCTGTTGTCCTCAACGG
GGAAGCTCCACTATTTCGGGCTGAGCCTGGTGAGCCAAGCTCCTGGGAGGCTCTGGCCTGGGCGCCG
CGTACTTCCTGTCCAGGAGAGAACAAGCTCGGGGGAAAAGTATCTCCATATTCTCTGAAATTTTCAG
AGAAATATTTTGTTCAGCCTGTGACCAGATCTCCAGAACCACAGGAACAGAGAGAACATTATAAGCT
TGATTGGCATCGCTTTAACTTAAAAACAAGTCTCAAGAACAAGCCTCTCCTGTCTGCTTCAGACTTTGAA
CAGCAAAGCTCCACAGGGGATCTTTCCAGCATCTCAGGATCAGATGACACAGACTCCAGCAGTGAAGAGG
ACTTGCTGCCACTGGATGAGGGGAGGGCTGAATCCGAGAAACCTAACCAGCCCCCGGATTCTACCCACA
TCGGGTCTTTTCAAAAACGCCAGGGCCAGTTTCTTTATGCCTATCGTTGTGCTCCTAGGCCCTCACCAG
GCAAGTAACAGTCCAGATTGTGTGCTCACTCCAACTTTGTATACTAGGTTTTCCTCAGCCAATGTATG
TCTTATTTTCTTCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228717 representing NM_001267620
Red=Cloning site Green=Tags(s)

MAKPAGDAAVGSRSRGELFLPSVSSSATSPAPSAASAPASVLLSLNGEAPLIRGLSLVSQAPGEALAWAP
 RTSCPGENTSSGGKVSPYSLEISEKLFCSACDQIFQNHQEQREHYKLDWHRFNLKQRLKNKPLLASDFE
 QQSSTGDLSSISGSDDTSSSEEDLLPLDEGRAESEKPNRPPGFYPHRVLFKNAQGGFLYAYRCVLGPHQ
 ASNSPDCVLTPNFCILGFPPQPMYVLFSSF

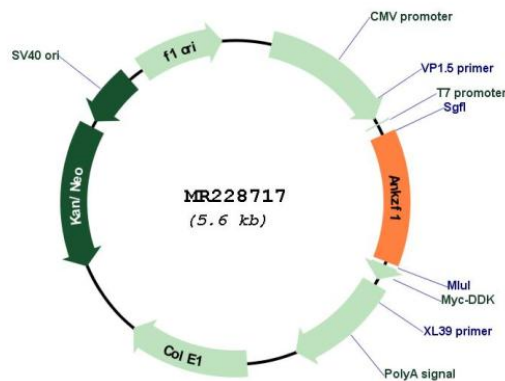
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001267620
ORF Size: 717 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001267620.1 , NP_001254549.1
RefSeq Size:	1218 bp
RefSeq ORF:	720 bp
Locus ID:	52231
UniProt ID:	Q80UU1
Cytogenetics:	1 38.62 cM
MW:	26.2 kDa
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]