

Certificate of Analysis

Product ID: OHu30304D Lot. No.: 817234840-1/R55526

Product Information:

Gene Symbol: ANKZF1 Accession No.: NM_001042410

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 2181 bp

Cloning Strategy: CloneEZ Plasmid Size: 7571 bp

Antibiotic Resistance: Ampicillin, recommended concentration: 50 µg/ml Amount: 10 µg

Note: * The stop codon has not been included in gene length calculation. And the detail sequence showed in attachment 2

Storage: Store at -20°C
The ORF clone is shipped at room temperature, but should be kept at -20°C for long-term storage.

QC Items	Specifications	Results	
Sequencing Alignment	Sequencing results are consistent with the targeted insert sequence.	Pass	Consistent
Vector Sequence	The flanking sequences of the cloning sites are correct.	Pass	Correct Shown in the SQD file
Restriction Digests	The size of inserted fragment is correct and free of unexpected bands suggesting contamination.	Pass	Correct Shown in attachment 1
DNA Quality	Miniprep: 10 µg OD260/280=1.8~2.0 Free of contamination	Pass	≥ 10 µg OD260/280=1.87 Pure
Quality Grade	Research Grade	Pass	Research Grade
Appearance	Clear and free of foreign particles.	Pass	Clear Free of foreign particles
Additional Test		N/A	

Certified by: *Morgan* Date: 09/01/2016

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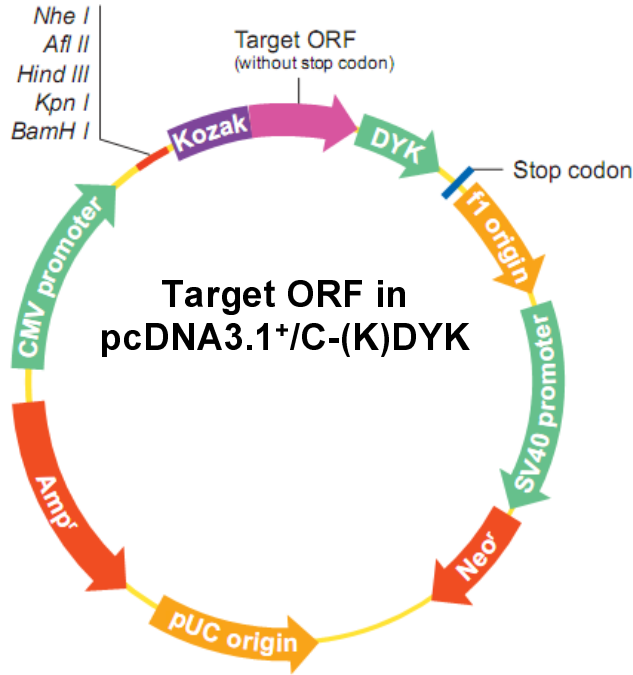
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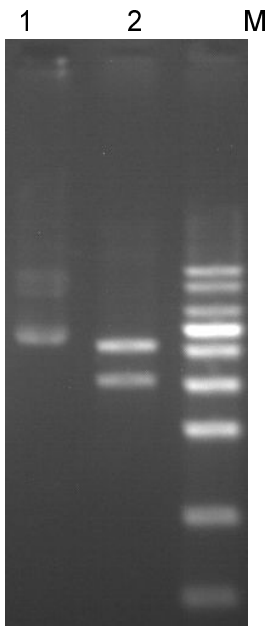
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Plasmid Construct Map

The ORF was cloned in pcDNA3.1⁺/C-(K)DYK by CloneEZ.

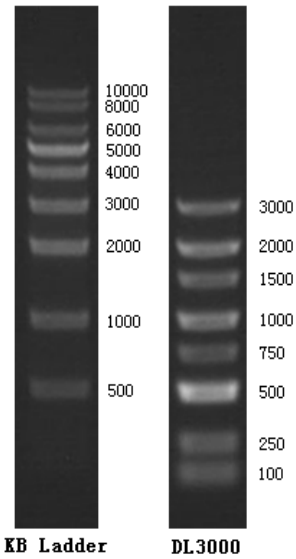


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu30304D plasmid
Lane 2: OHu30304D plasmid digested by SmaI

Digestion Conditions:
~ 300ng plasmid digested
Digestion in water-bath, 37°C for 40 minutes
1% Agarose Gel



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Original ORF Sequence (Including start and stop codons)

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ATGTCGCCGG CTCCAGATGC AGCCCCGGCT CCTGCGTCGA TCTCCCTGTT TGACCTCAGC GCGGATGCTC CGGTCTTTCA GGCCTGAGC CTGGTGAGCC
ACGCGCCTGG GGAGGCTCTG GCCCGGGCTC CGCGTACTTC CTGTTTCAGGC TCAGGGGAGA GAGAAAGCCC AGAAAGAAAG CTA CTCTCCAGG GTCCTATGGA
TATTTTCAGAG AAGTTATTTT GTTCAACTTG TGACCAGACC TTCCAGAACC ACCAAGAACA GAGGGAACAT TATAAGCTTG ACTGGCATCG GTTTAACCTA
AAGCAACGTC TCAAGGACAA GCCTCTCCTG TCTGCCCTGG ACTTTGAAAA GCAGAGCTCC ACAGGAGATC TTTCCAGCAT CTCGGGATCA GAAGACTCAG
ACTCAGCCAG TGAGGAGGAC TTGCAGACAC TGGATCGGGA GAGGGCTACA TTTGAGAAGT TGAGCCGACC CCCAGGCTTT TACCCTCATC GAGTTCTTTT
CCAGAATGCC CAGGGCCAGT TTCTTTATGC CTACCCTGTG GTCCTAGGCC CTCATCAGGA TCCCCCAGAA GAGGCAGAAC TGCTGCTACA GAACCTGCAA
AGTAGAGGTC CCAGAGACTG CGTGGTGCTC ATGGCTGCAG CTGGGCACTT TGCTGGTGCT ATATTTCAAG GAAGAGAAGT GGTGACACAC AAAACTTTTC
ACCGCTATAC GGTTCGGGCC AAGCGGGGCA CAGCCCAGGG GCTTCGGGAT GCCCGAGGTG GGCCATCACA CTCTGCTGGA GCCAACCTGA GCGGCTACAA
TGAAGCCACA CTATATAAGG ATGTTTCGTGA CCTGCTGGA GGGCCAAGCT GGGCTAAGGC GCTGGAGGAG GCTGGTACAA TACTGTTGCG TGCTCCCCGC
TCTGGCCGGT CTTTGTTCCT TGGAGGCAAG GGAGCACCCC TGCAAAGGGG GGATCCCCGA CTTTGGGATA TCCCCCTCGC CACCCGCAGA CCCACCTTCC
AAGAGCTACA GCGTGTGCTC CATAAGCTGA CCACTTTGCA TGTCTATGAA GAAGACCTC GGGAAAGCAGT CAGACTGCAC TCACCTCAGA CACACTGGAA
AACAGTAAGA GAGGAGAGAA AGAAGCCTAC TGAGGAAGAA ATAAGAAAGA TCTGCAGGGA TGAAAAGGAA GCGCTGGGGC AGAATGAGGA ATCTCCCAA
CAGGGTTCAG GGTTCGGAGG AGAAGATGGC TTTTCAGTAG AGTTGGAGCT AGTGGAGTTG ACTGTGGGGA CTCTGGATCT TTGTGAGTCT GAAGTATTGC
CCAAGCGGAG GAGGAGAAAA AGGAATAAGA AGGAGAAAAG CCGAGACCAG GAGGTGGGG CACATCGGAC TCTTCTCCAG CAAACTCAAG AAGAGGAGCC
TTCCACACAG TCATCCCAGG CAGTTGCTGC CCCCTTGGGC CCTTTGCTGG ATGAGGCCAA AGCCCCTGGT CAGCCAGAGC TCTGGAATGC ACTGCTTGCT
GCTTGCCGAG CTGGAGATGT TGGAGTGCTA AAGCTGCAGC TAGCTCCCAG CCCTGCAGAC CCTAGAGTTC TGCTCTGCT CAGTGCCCCC TTGGGCTCCG
GTGGCTTTAC TCTCCTGCAT GCAGCAGCTG CAGCTGGAAG AGGCTCAGT GTTCGTCTGC TGCTGGAAGC AGGTGCTGAC CCCACTGTGC AGGACTCTCG
GGCCCGGCCA CCTTATACTG TTGCGGCTGA CAAATCAACA CGTAATGAGT TCCGAAGGTT CATGGAGAAG AATCCAGATG CCTACGATTA CAACAAGGCT
CAGGTGCCAG GACCATTGAC ACCAGAAATG GAGGCACGGC AGGCTACAGC GAAAAGGGAG CAGAAGGCAG CCCGGCGGCA ACGGGAGGAA CAGCAGCAGA
GGCAGCAGGA GCAGGAGGAG CGTGAACGAG AAGAGCAGCG GCGATTTGCC GCCCTCAGTG ACCGAGAGAA GAGAGCTCTG GCTGCAGAGC GCCGACTCGC
TGCCAGTTG GGAGCCCCTA CCTCTCCAAT CCCTGACTCT GCAATCGTCA ATACTCGACG CTGCTGGAGT TGTGGGGCAT CCCTCAAGG CCTGACTCCC
TTTCACTACC TCGACTTCTC TTTCTGCTCC ACACGTTGCC TCCAGGATCA TCGCCGTCAG GCAGGGAGGC CCTTTCCTG A
  
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