

Certificate of Analysis

Product ID: OHu24970D Lot. No.: 817240381-1/R53424

Product Information:

Gene Symbol: TNNT2 Accession No.: NM_000364

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 888 bp

Cloning Strategy: CloneEZ Plasmid Size: 6278 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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Tel: 1-732-885-9188

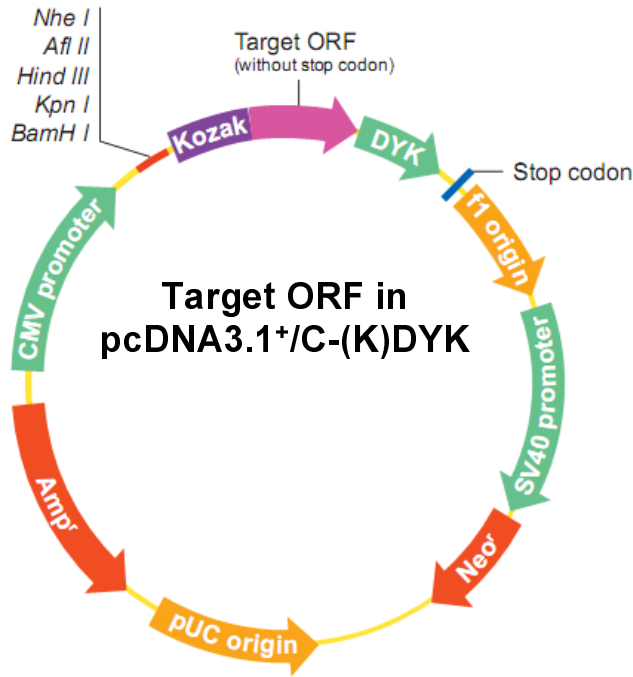
Fax: 1-732-210-0262

Email: order@genscript.com

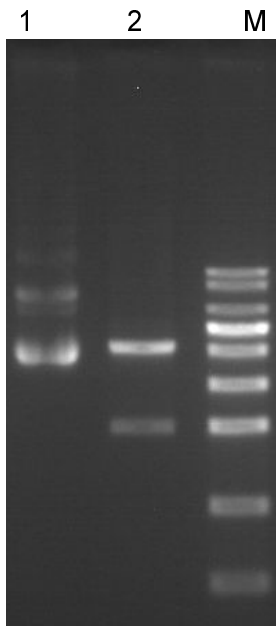
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Plasmid Construct Map

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

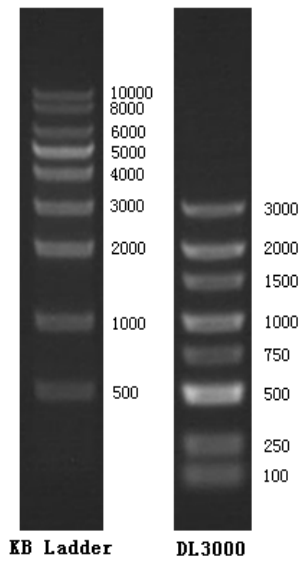


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu24970D plasmid
Lane 2: OHu24970D plasmid digested by HindIII and SmaI

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



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Attachment 2**Original ORF Sequence (Including start and stop codons)**

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ATGTCTGACA TAGAAGAGGT GGTGGAAGAG TACGAGGAGG AGGAGCAGGA AGAAGCAGCT GTTGAAGAAG AGGAGGACTG GAGAGAGGAC GAAGACGAGC
AGGAGGAGGC AGCGGAAGAG GATGCTGAAG CAGAGGCTGA GACCGAGGAG ACCAGGGCAG AAGAAGATGA AGAAGAAGAG GAAGCAAAGG AGGCTGAAGA
TGGCCAATG GAGGAGTCCA AACCAAAGCC CAGGTCGTTC ATGCCCAACT TGGTGCCTCC CAAGATCCCC GATGGAGAGA GAGTGGACTT TGATGACATC
CACCGGAAGC GCATGGAGAA GGACCTGAAT GAGTTGCAGG CGCTGATCGA GGCTCACTTT GAGAACAGGA AGAAAGAGGA GGAGGAGCTC GTTTCTCTCA
AAGACAGGAT CGAGAGACGT CGGGCAGAGC GGGCCGAGCA GCAGCGCATC CGGAATGAGC GGGAGAAGGA GCGGCAGAAC CGCCTGGCTG AAGAGAGGGC
TCGACGAGAG GAGGAGGAGA ACAGGAGGAA GGCTGAGGAT GAGGCCCGGA AGAAGAAGGC TTTGTCCAAC ATGATGCATT TTGGGGTTA CATCCAGAAG
ACAGAGCGGA AAAGTGGGAA GAGGCAGACT GAGCGGGAAA AGAAGAAGAA GATTCTGGCT GAGAGGAGGA AGGTGCTGGC CATTGACCAC CTGAATGAAG
ATCAGCTGAG GGAGAAGGCC AAGGAGCTGT GGCAGAGCAT CTATAACTTG GAGGCAGAGA AGTTCGACCT GCAGGAGAAG TTCAAGCAGC AGAAATATGA
GATCAATGTT CTCCGAAACA GGATCAACGA TAACCAGAAA GTCTCCAAGA CCCGCGGGAA GGCTAAAGTC ACCGGGCGCT GGAAATAG
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