

# Certificate of Analysis

Product ID: OHu24695D Lot. No.: 807236030-1/F32616

Product Information:

Gene Symbol: TNNT2 Accession No.: NM\_001001430

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 867 bp

Cloning Strategy: CloneEZ Plasmid Size: 6257 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: 03/20/2016

Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

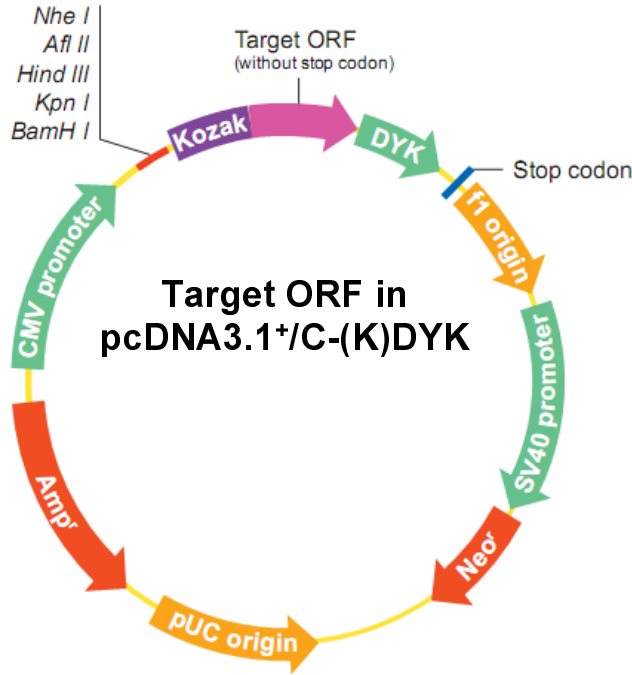
Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

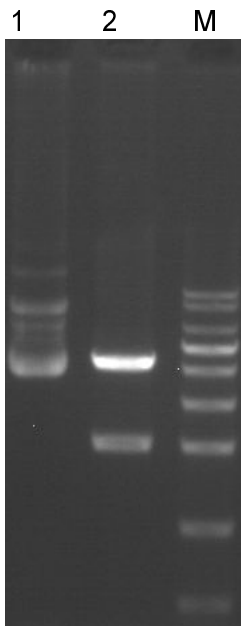
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

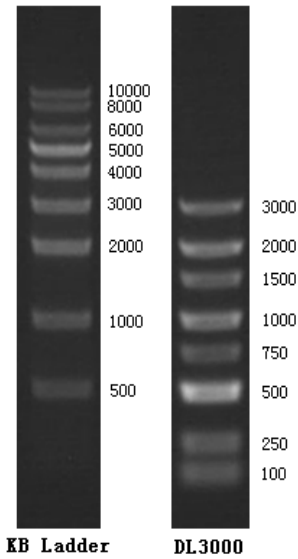


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu24695D plasmid  
Lane 2: OHu24695D 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 GTTGAAGAGC AGGAGGAGGC AGCGGAAGAG GATGCTGAAG
CAGAGGCTGA GACCGAGGAG ACCAGGGCAG AAGAAGATGA AGAAGAAGAG GAAGCAAAGG AGGCTGAAGA TGGCCCAATG GAGGAGTCCA AACCAAAGCC
CAGGTCGTTC ATGCCCAACT TGGTGCCTCC CAAGATCCCC GATGGAGAGA GAGTGGACTT TGATGACATC CACCGGAAGC GCATGGAGAA GGACCTGAAT
GAGTTGCAGG CGCTGATCGA GGCTCACTTT GAGAACAGGA AGAAAGAGGA GGAGGAGCTC GTTTCTCTCA AAGACAGGAT CGAGAGACGT CGGGCAGAGC
GGGCCGAGCA GCAGGCATC CGGAATGAGC GGGAGAAGGA GCGGCAGAAC CGCCTGGCTG AAGAGAGGGC TCGACGAGAG GAGGAGGAGA ACAGGAGGAA
GGCTGAGGAT GAGGCCCGGA AGAAGAAGGC TTTGTCCAAC ATGATGCATT TTGGGGGTTA CATCCAGAAG CAGGCCCAGA CAGAGCGGAA AAGTGGGAAG
AGGCAGACTG AGCGGAAAAA GAAGAAGAAG ATTCTGGCTG AGAGGAGGAA GGTGCTGGCC ATTGACCACC TGAATGAAGA TCAGCTGAGG GAGAAGGCCA
AGGAGCTGTG GCAGAGCATC TATAACTTGG AGGCAGAGAA GTTCGACCTG CAGGAGAAGT TCAAGCAGCA GAAATATGAG ATCAATGTTC TCCGAAACAG
GATCAACGAT AACCGAAAAG TCTCCAAGAC CCGCGGGAAG GCTAAAGTCA CCGGGCGCTG GAAATAG
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