

## Product datasheet for **MC216131**

### Thrb (NM\_001113417) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thrb (NM_001113417) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thrb
Synonyms:	c-erbAbeta; Nr1a2; T3Rbeta; T3R[b]; Thrb1; Thrb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NM\_001113417.1  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCGTCCAGACCGAG  
 GCCAGGACTGGAAGCTGGTAGGAATGTCTGAAGCCTGCCTGCACAGGAAGAGCCACGTGGAGAGGGTGG  
 TGCACTGAAGAATGAGCAGACTTCCCCACACCTTATCCAGGCCACTTGGACAAGCTCTATATTCCACCTG  
 GATCCTGACGATGTGAACGATCAGAGCATCTCAAGTGCCAGACTTCCAGACTGAAGAGAAGAAAATGTA  
 AAGGGTATATCCCAGCTATTTAGACAAAGATGAGCTCTGTGTAGTGTGTGGGGACAAAGCCACAGGGTA  
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGGGCTTCTTTAGAAGAACCATTAGAAAAGTCTCCAT  
 CCATCTTATTCTGTAATATGAAGGAAAGTGCATCATAGACAAAGTCACCCGCAACCAGTGCCAGGAAT  
 GTCGCTTAAGAAATGCATCTATGTTGGCATGGCAACAGACTTGGTGTGGATGACAGCAAGAGGGCTAGC  
 CAAGCGGAAGCTTATAGAGGAGAACCCTGAGAAGAGGGCGCGGGAAGAGCTACAGAAATCAATTGGGCAC  
 AAGCCAGAACCCACGGATGAGGAGTGGGAGCTCATCAAGACAGTCACTGAGGCCACGTGGCCACCAATG  
 CCCAGGGCAGCCACTGGAAGCAGAAGCGGAAATTCCTGCCAGAAGACATTGGACAAGCACCCATCGTGAA  
 TGCCCCAGAAGGTGGCAAGGTTGACCTGGAAGCCTTCAGTCATTTTACAAAAATCATCACACCAGCAATT  
 ACCAGAGTGGTGGATTTTGCCAAAAAGTTGCCATGTTTTGTGAGCTGCCATGTGAAGACCAGATCATCC  
 TCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTTCGAGCTGCTGTGCGTATGACCCAGACAGCGAGAC  
 TCTAACTTTGAATGGGAAAATGGCAGTGACACGAGGCCAGCTGAAAAATGGGGCCTTGGGGTGGTTTCA  
 GATGCCATCTTTGACCTGGGCATGTCTCTGTCTTTCAACCTGGATGACACTGAAGTCGCCCTGCTTC  
 AGGCCGCTCCTGCTAATGTCTTCAGATCGCCAGGGCTAGCCTGTGTTGAGAGAATAGAGAAAATACCAAA  
 CAGTTTCCCTGTTGGCCTTTGAACACTATATCAATTACCGGAAGCACCATGTGACACACTTTTGGCCAAA  
 CTCTGATGAAGGTGACAGACCTGCGGATGATTGGAGCTTGCCATGCCAGCCGCTTCTCCACATGAAGG  
 TGGAGTGCCCACTGAGCTCTCCCGCCTCTGTTCTTAGAAGTATTTGAGGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1438\\_d07.zip](https://cdn.origene.com/chromatograms/ja1438_d07.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001113417

**Insert Size:** 1386 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001113417.1, NP_001106888.1</u>
<b>RefSeq Size:</b>	5997 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	21834
<b>UniProt ID:</b>	<u>P37242</u>
<b>Cytogenetics:</b>	14 A2
<b>Gene Summary:</b>	<p>Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) contains a distinct 5' UTR and multiple 5' coding region differences, compared to variant 2. Codons 1-94 of this variant are encoded by exons that are not present in variant 2. The encoded protein (isoform 1) is identical to isoform 2 in the C-terminus. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>