

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**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCCGTCAGACCGAG
 GCCAGGACTGGAAGCTGGTAGGAATGTCTGAAGCCTGCCTGCACAGGAAGAGCCACGTGGAGAGGCGTGG
 TGCACTGAAGAATGAGCAGACTTCCCCACACCTTATCCAGGCCACTTGGACAAGCTCTATATTCCACCTG
 GATCCTGACGATGTGAACGATCAGAGCATCTCAAGTGCCAGACTTCCAGACTGAAGAGAAGAAATGTA
 AAGGGTATATCCCGAGCTATTTAGACAAAGATGAGCTCTGTGTAGTGTGTGGGACAAAGCCACAGGGTA
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGGGCTCTTTAGAAGAACCATTAGAAAAGTCTCCAT
 CCATCTTATTCTGTAATATGAAGGAAAGTGCATCATAGACAAAGTCACCCGAACCAAGTCCAGGAAT
 GTCGCTTTAAGAAATGCATCTATGTTGGCATGGCAACAGACTTGGTGCTGGATGACAGCAAGAGGCTAGC
 CAAGCGGAAGCTTATAGAGGAGAACCGTGAGAAGAGGCGCGGGAAGAGCTACAGAAATCAATTGGGCAC
 AAGCCAGAACCCACGGATGAGGAGTGGGAGCTCATCAAGACAGTCACTGAGGCCACGTGGCCACCAATG
 CCCAGGGCAGCCACTGGAAGCAGAAGCGGAAATTCCTGCCAGAAGACATTGGACAAGCACCCATCGTGAA
 TGCCCCAGAAGGTGGCAAGGTTGACCTGGAAGCCTTCAGTCATTTACAAAAATCATCACACCAGCAATT
 ACCAGAGTGGTGGATTTTGCCAAAAAGTTGCCCATGTTTTGTGAGCTGCCATGTGAAGACCAGATCATCC
 TCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTTCGAGCTGCTGTGCGTATGACCCAGACAGCGAGAC
 TCTAATTTGAATGGGGAATGGCAGTGACACGAGGCCAGCTGAAAAATGGGGCCTTGGGGTGGTTTCA
 GATGCCATCTTTGACCTGGGCATGTCTGTGTCATCTTTCAACCTGGATGACACTGAAGTCGCCCTGCTTC
 AGGCCGTCCTGCTAATGTCTTCAGATCGCCAGGGCTAGCCTGTGTTGAGAGAATAGAGAAATACCAAGA
 CAGTTTCTGTTGGCCTTTGAACACTATATCAATTACCGGAAGCACCATGTGACACACTTTTGGCCAAA
 CTCTGATGAAGGTGACAGACCTGCGGATGATTGGAGCTTGCCATGCCAGCCGCTTCTCCACATGAAGG
 TGGAGTGCCCACTGAGCTCTCCCGCCTCTGTTCTTAGAAGTATTTGAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1438_d07.zip

Restriction Sites: SgfI-MluI

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 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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001113417.1, NP_001106888.1</u>
RefSeq Size:	5997 bp
RefSeq ORF:	1386 bp
Locus ID:	21834
UniProt ID:	<u>P37242</u>
Cytogenetics:	14 A2
Gene Summary:	<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>