

Product datasheet for **MR225396**

Thrb (NM_001113417) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thrb (NM_001113417) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

ORF Nucleotide Sequence:

>MR225396 representing NM_001113417
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCGTCCAGACCGAG
 GCCAGGACTGGAAGCTGGTAGGAATGTCTGAAGCCTGCCTGCACAGGAAGAGCCAGTGGAGAGGGTGG
 TGCACTGAAGAATGAGCAGACTTCCCCACACCTTATCCAGGCCACTTGGACAAGCTCTATATTCCACCTG
 GATCCTGACGATGTGAACGATCAGAGCATCTCAAGTGCCAGACTTCCAGACTGAAGAGAAGAAAATGTA
 AAGGGTATATCCCAGCTATTTAGACAAAGATGAGCTCTGTGTAGTGTGTGGGACAAAGCCACAGGGTA
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGGGCTTCTTTAGAAGAACCATTAGAAAAGTCTCCAT
 CCATCTTATTCTGTAATATGAAGGAAAGTGCATCATAGACAAAGTCACCCGCAACCAGTGCCAGGAAT
 GTCGCTTAAGAAATGCATCTATGTTGGCATGGCAACAGACTTGGTGTGGATGACAGCAAGAGGGTAGC
 CAAGCGGAAGCTTATAGAGGAGAACCCTGAGAAGAGGGCGCGGGAAGAGCTACAGAAATCAATTGGGCAC
 AAGCCAGAACCCACGGATGAGGAGTGGGAGCTCATCAAGACAGTCACTGAGGCCACGTGGCCACCAATG
 CCCAGGGCAGCCACTGGAAGCAGAAGCGGAAATTCCTGCCAGAAGACATTGGACAAGCACCCATCGTGAA
 TGCCCCAGAAGGTGGCAAGGTTGACCTGGAAGCCTTCAGTCATTTTACAAAAATCATCACACCAGCAATT
 ACCAGAGTGGTGGATTTTGCCAAAAAGTTGCCATGTTTTGTGAGCTGCCATGTGAAGACCAGATCATCC
 TCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTTCGAGCTGCTGTGCGCTATGACCCAGACAGCGAGAC
 TCTAACTTTGAATGGGAAAATGGCAGTGACACGAGGCCAGCTGAAAAATGGGGCCTTGGGGTGGTTTCA
 GATGCCATCTTTGACCTGGGCATGTCTCTGTCTTTCAACCTGGATGACACTGAAGTCGCCCTGCTTC
 AGGCCGCTCCTGCTAATGTCTTCAGATCGCCAGGGCTAGCCTGTGTTGAGAGAATAGAGAAATACCAAGA
 CAGTTTCCCTGTTGGCCTTTGAACACTATATCAATTACCGGAAGCACCATGTGACACACTTTTGGCCAAA
 CTCTGATGAAGGTGACAGACCTGCGGATGATTGGAGCTTGCCATGCCAGCCGCTTCTCCACATGAAGG
 TGGAGTGGCCACTGAGCTCTTCCGCTCTGTTCTTAGAAGTATTTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225396 representing NM_001113417
 Red=Cloning site Green=Tags(s)

MTPNSMTEGLPAWDKQKPRPDRGQDWKLVGMSEACLHRKSHVERRGALKNEQTSPLHIQATWTSSIFHL
 DPDDVNDQSISSAQTFQTEEKCKGYIPSYLDKDEL CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH
 PSYSCKYEGKCIIDKVTRNQCECRFKKIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGH
 KPEPTDEEWELIKTVTEAHVATNAQGSWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAI
 TRVVDFAKKLPFCELPCEQIILLKGCCEIMSLRAAVRYDPDSETLTLNGEMAVTRGQLKNGGLGVVS
 DAIFDLGMSLSSFNLDDTEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINYRKHVHTFWPK
 LLMKVTDLRMIGACHASRFLHMKVECPTELPPLFLEVFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1507_e06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001113417

ORF Size: 1383 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

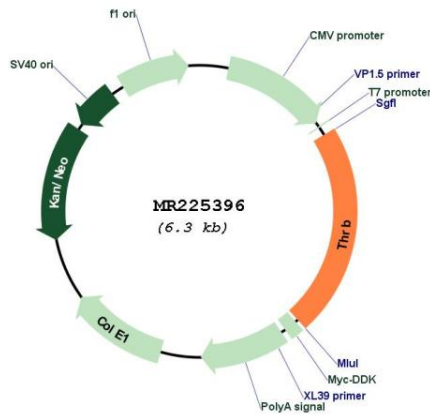
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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.

RefSeq: [NM_001113417.1, NP_001106888.1](#)
RefSeq Size: 5997 bp
RefSeq ORF: 1386 bp
Locus ID: 21834
UniProt ID: [P37242](#)
Cytogenetics: 14 A2
MW: 53.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR225396