

Product datasheet for **RN216721**

Thrb (NM_001270854) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thrb (NM_001270854) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thrb
Synonyms:	C-erba-beta; ERBA2; Nr1a2; RATT3REC; T3rec; TRbeta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216721 representing NM_001270854
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCATCCAGACCGAG
 GCCAGGACTGGAAGCTGGTAGGAATGTCCGAAGCCTGCCTGCACAGGAAGAGCCATGTGGAGAGGGTGG
 TGCAATTGAAGAATGAGCAAAATCCTCACACCTCATCCAGGCCACTTGGGCGAGCTCTATATTCCATCTG
 GATCCAGACGATGTGAACGATCAGAGCGTCTCAAGCGCCAGACTTCCAGACCGAAGAGAAGAAATGTA
 AAGGGTATATCCCAGCTATCTAGACAAGGATGAGCTCTGCGTAGTGTGCGGGGACAAAGCCACGGGGTA
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGGTTTCTTTAGAAGAACCATTAGAAAAGTCTCCAT
 CCATCTTACTCCTGTAATATGAAGGGAAGTGCATCATAGACAAAGTCACCCGTAACCAGTGCCAGGAAT
 GTCGCTTAAAGAAATGCATCTATGTTGGCATGGCAACAGACCTGGTGTGGATGACAGCAAGAGGCTAGC
 CAAGAGGAAGCTGATAGAAGAGAACCCTGAGAAGAGGCGCGGGAAGAGCTACAGAAATCCATTGGGCAT
 AAGCCAGAGCCCACGGATGAGGAATGGGAGCTCATCAAGACAGTCACCGAGGCCACGTGGCCACCAATG
 CCCAGGGCAGCCACTGGAAGCAGAAGCGGAAATTTCTGCCTGAAGACATTGGACAAGCACCCATTGTGAA
 CGCCCCGGAAGGTGGCAAGGTTGATCTGGAAGCCTTACAGCCATTTTACAAAAATCATCACACCAGCAATC
 ACCAGAGTGGTGGATTTCCGCAAAAAGTTGCCATGTTTTGTGAGCTGCCCTGTGAAGACCAGATCATCC
 TCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTCCGAGCTGCTGTGCGCTATGACCCAGACAGCGAGAC
 TCTAACCTTGAATGGGGAAATGGCAGTGACACGGGGCCAGCTGAAAAACGGAGGTCTTGGGGTGGTGCA
 GATGCGATCTTTGACCTGGGCATGTCTGTGCTCTTTCAACCTGGATGACACGGAGGTTGCCCTGCTTC
 AAGCCGTCCTGCTGATGTCTTCAGATCGCCAGGGCTAGCTTGTGTTGAGAGAATTGAGAAAATACCAAGA
 CAGTTTCCCTGTTGGCCTTTGAACACTATATCAATTACCGAAGCACCATGTGACACACTTTTGGCCAAA
 CTCTGATGAAGGTGACGGACCTGCGGATGATTGGAGCGTGCCACGCCAGCCGCTTCTGACATGAAGG
 TGGAGTCCCCACCGAGCTCTTCCGCCTCTTCTTGGAAAGTCTTTGAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001270854
- Insert Size:** 1386 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001270854.1](#), [NP_001257783.1](#)

RefSeq Size: 6135 bp

RefSeq ORF: 1386 bp

Locus ID: 24831

Cytogenetics: 15p16

Gene Summary: nuclear hormone receptor for triiodothyronine (T3); mediates the biological activities of thyroid hormone [RGD, Feb 2006]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.