

## Product datasheet for **RN205180**

### Thrb (NM\_012672) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thrb (NM_012672) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thrb
Synonyms:	C-erba-beta; ERBA2; Nr1a2; RATT3REC; T3rec; TRbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN205180 representing NM\_012672  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCATCCAGACCGAG  
 GCCAGGACTGGAAGCTGGTAGGAATGTCCGAAGCCTGCCTGCACAGGAAGAGCCATGTGGAGAGGGTGG  
 TGCATTGAAGAATGAGCAAAATCCTCACACCTCATCCAGGCCACTTGGGCGAGCTCTATATTCCATCTG  
 GATCCAGACGATGTGAACGATCAGAGCGTCTCAAGCGCCAGACTTCCAGACCGAAGAGAAGAAATGTA  
 AAGGGTATATCCCAGCTATCTAGACAAGGATGAGCTCTGCGTAGTGTGCGGGGACAAAGCCACGGGGTA  
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGCCTTCTCACACCAGAGACGAGAAGACAGGGATTGG  
 TTCCATACAGACACCAGTTCTACCTCTCTGCATTGGTCTGGATGTTGTCCTCAAGGCAGTGGGACCCTG  
 AGGGTTTCTTTAGAAGAACCATTAGAAAAGTCTCCATCCATCTTACTCTGTAATATGAAGGGAAGTG  
 CATCATAGACAAAGTACCCGTAACCAGTGCCAGGAATGTCGCTTAAAGAAATGCATCTATGTTGGCATG  
 GCAACAGACCTGGTGCTGGATGACAGCAAGAGGCTAGCCAAGAGGAAGCTGATAGAAGAGAACCCTGAGA  
 AGAGGCGCGGGGAAGAGCTACAGAAATCCATTGGGCATAAGCCAGAGCCCACGGATGAGGAATGGGAGCT  
 CATCAAGACAGTCACCGAGGCCACGTGGCCACCAATGCCAGGGCAGCCACTGGAAGCAGAAGCGGAAA  
 TTTCTGCCTGAAGACATTGGACAAGCACCCATTGTGAACGCCCGGAAGGTGGCAAGGTTGATCTGGAAG  
 CCTTCAGCCATTTTACAAAAATCATCACACCAGCAATCACCAGAGTGGTGGATTTTCGCCAAAAAGTTGCC  
 CATGTTTTGTGAGCTGCCTGTGAAGACCAGATCATCCTCCTCAAAGGCTGCTGCATGGAGATCATGTCC  
 CTCCGAGCTGCTGTGCGCTATGACCCAGACAGCGAGACTTAACCTTGAATGGGGAAATGGCAGTGACAC  
 GGGCCAGCTGAAAAACGGAGGTCTTGGGGTGGTGTGATGCGATCTTTGACCTGGGCATGCTCTGTGTC  
 GTCTTTCAACCTGGATGACACGGAGGTTGCCCTGCTTCAAGCCGTCCTGCTGATGTCTTCAGATCGCCCA  
 GGGCTAGCTTGTGTTGAGAGAATTGAGAAATACCAAGACAGTTTCTGTTGGCCTTTGAACACTATATCA  
 ATTACCGAAGCACCATGTGACACACTTTTGGCCAAACTCCTGATGAAGGTGACGGACCTGCGGATGAT  
 TGGAGCGTGCCACGCCAGCCGCTTCTGCACATGAAGGTGGAGTGCCCCACCGAGCTCTCCCGCTCTC  
 TTCTTGAAGTCTTTGAGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012672

**Insert Size:** 1494 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).

**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\\_012672.3](#), [NP\\_036804.2](#)

**RefSeq Size:** 6243 bp

**RefSeq ORF:** 1494 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 (1) represents the longer transcript and encodes the longer 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.