

Product datasheet for **RR216721**

Thrb (NM_001270854) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thrb (NM_001270854) Rat Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RR216721 representing NM_001270854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTCCTAACAGTATGACAGAAAATGGCCTTCCAGCCTGGGACAAACAGAAGCCCATCCAGACCGAG
 GCCAGGACTGGAAGCTGGTAGGAATGTCGGAAGCCTGCCTGCACAGGAAGAGCCATGTGGAGAGGGTGG
 TGCAATTGAAGAATGAGCAAAATCCTCACACCTCATCCAGGCCACTTGGGCGAGCTCTATATTCCATCTG
 GATCCAGACGATGTGAACGATCAGAGCGTCTCAAGCGCCAGACTTCCAGACCGAAGAGAAGAAATGTA
 AAGGGTATATCCCAGCTATCTAGACAAGGATGAGCTCTGCGTAGTGTGCGGGGACAAAGCCACGGGGTA
 CCACTATCGTGCATCACCTGTGAAGGCTGCAAGGTTTCTTTAGAAGAACCATTAGAAAAGTCTCCAT
 CCATCTTACTCCTGTAATATGAAGGGAAGTGCATCATAGACAAAGTCACCCGTAACCAAGTCCAGGAAT
 GTCGCTTAAGAAATGCATCTATGTTGGCATGGCAACAGACCTGGTGTGGATGACAGCAAGAGGCTAGC
 CAAGAGGAAGCTGATAGAAGAGAACCCTGAGAAGAGGCGCGGGAAGAGCTACAGAAATCCATTGGGCAT
 AAGCCAGAGCCCACGGATGAGGAATGGGAGCTCATCAAGACAGTCACCGAGGCCACGTGGCCACCAATG
 CCCAGGGCAGCCACTGGAAGCAGAAGCGGAAATTTCTGCCTGAAGACATTGGACAAGCACCCATTGTGAA
 CGCCCCGAAGGTGGCAAGGTTGATCTGGAAGCCTTACAGCCATTTTACAAAAATCATCACACCAGCAATC
 ACCAGAGTGGTGGATTTTCGCCAAAAAGTTGCCATGTTTTGTGAGCTGCCCTGTGAAGACCAGATCATCC
 TCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTCCGAGCTGCTGTGCGCTATGACCCAGACAGCGAGAC
 TCTAACCTTGAATGGGAAATGGCAGTGACACGGGGCCAGCTGAAAAACGGAGGTCTTGGGGTGGTGTCA
 GATGCGATCTTTGACCTGGGCATGTCTCTGTGCTTTCAACCTGGATGACACGGAGGTTGCCCTGCTTC
 AAGCCGCTCCTGCTGATGTCTTCAGATCGCCAGGGCTAGCTTGTGTTGAGAGAATTGAGAAAATACCAAGA
 CAGTTTCCCTGTTGGCCTTTGAACACTATATCAATTACCGGAAGCACCATGTGACACACTTTTGGCCAAA
 CTCTGATGAAGGTGACGGACCTGCGGATGATTGGAGCGTGCCACGCCAGCCGCTTCTGACATGAAGG
 TGGAGTCCCCACCGAGCTCTTCCGCCTCTTCTTGAAGTCTTTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216721 representing NM_001270854
 Red=Cloning site Green=Tags(s)

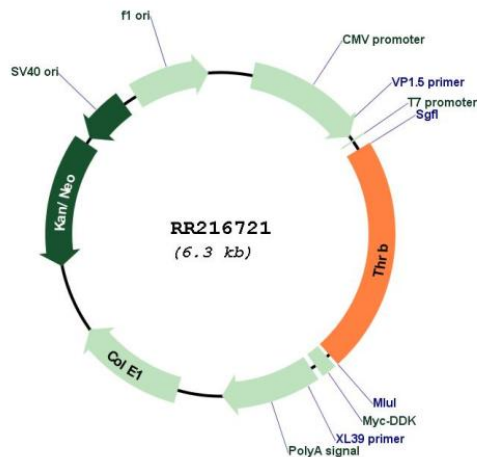
MTPNSMTEGLPAWDKQKPHPDRGQDWKLVGMSEACLHRKSHVRRGALKNEQTSSHLIQATWASSIFHL
 DPDDVNDQSVSSAQTFQTEKKCKGYIPSYLKDDEL CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH
 PSYSCKYEGKCIIDKVTNRNQCQECRFKCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGH
 KPEPTDEEWELIKTVTEAHVATNAQGSWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAI
 TRVYDFAKKLPFCELPCEQIILLKGCCMEIMSLRAAVRYDPDSETLTLNGEMAVTRGQLKNGGLGVVS
 DAIFDLGMSLSSFNLDDTEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINRYKHHVTHFWPK
 LLMKVTDLRMIGACHASRFLHMKVECPTELPPLFLEVFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001270854

ORF Size: 1383 bp

OTI Disclaimer: 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_001270854.1](#), [NP_001257783.1](#)

RefSeq Size: 6135 bp

RefSeq ORF: 1386 bp

Locus ID: 24831

Cytogenetics: 15p16

MW: 52.6 kDa

Gene Summary: nuclear hormone receptor for triiodothyronine (T3); mediates the biological activities of thyroid hormone [RGD, Feb 2006]