

## Product datasheet for **RR200271**

### Thra (NM\_001017960) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thra (NM\_001017960) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Thra  
**Synonyms:** c-erbA-1; ERBA1; Thra1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR200271 representing NM\_001017960  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGCCAGAGGAGAACAGTGCCAGGTCACCAGATG  
GAAAGCGAAAAAGGAAGAACGGCCAATGTCCCCTGAAAAGCAGCATGTCAGGGTATATCCCTAGTTACCT  
GGACAAAGACGAGCAGTGTGTCGTGTGGGGACAAGGCCACCGTTTACTACTACCGCTGTATCACTTGT  
GAGGGCTGCAAGGGCTTCTTTCGCGTACAATCCAGAAGAACCTCCATCCACCTATTCTGCAAAATATG  
ACAGCTGCTGCGTCATCGACAAGATCACCCGGAATCAGTGCCAGTTGTGCCGCTTCAAGAAGTGCATCGC  
TGTGGGCATGGCCATGGACCTGGTTCTAGACGATTCAAAGCGGGTGGCCAAACGCAAGCTGATTGAGCAG  
AACCGGGAGAGGAGGCGAAAGGAGGAGATGATCCGCTCGTGCAGCAACGACCAGAGCCACTCCTGAAG  
AGTGGGATCTGATCCACGTTGCTACAGAGGCCATCGCAGCACCATGCCAGGGCAGCCATTGAAAACA  
GAGGCGAAAATTCCTGCCGGATGACATTGGCCAGTCACCTATTGTCTCCATGCCGGACGGAGACAAGGTA  
GACCTAGAGGCCCTCAGCGAGTTTACCAAGATCATCACCCGGCCATCACCCGCTGGTGGACTTTGCCA  
AAAAACTGCCCATGTTCTCCGAGCTGCCTGTGAAGACCAGATCATCTCCTGAAGGGCTGCTGCATGGA  
GATCATGTCCCTGCGGGCAGCTGTCCGCTATGACCCTGAGAGCGACACCCTGACCCTGAGTGGGGAGATG  
GCGGTTAAGCGGGAGCAGCTCAAGAATGGTGGCTTGGGTGAGTCTCCGACGCCATCTTTGAACTGGGCA  
AGTCACTCTGCCTTTAACCTGGATGATACGGAAGTGGCTCTGCTGCAGGCTGTGCTGTTAATGTCAAC  
AGACCGCTCTGGCCTGCTGTGTGGACAAGATCGAGAAGAGTCAGGAGGCCTACCTGCTGGCGTTTGAG  
CACTACGTCAACCACCGCAAACACAACATTCCGCACTTCTGGCCAAAGCTGCTGATGAAGGTGACTGACC  
TCCGCATGATCGGGCCGCCACGCCAGCCGCTTCTCCACATGAAAGTCGAGTGCCCCACCGAACTCTT  
CCCCCACTCTTCTGGAGGTCTTTGAGGATCAGGAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200271 representing NM\_001017960  
Red=Cloning site Green=Tags(s)

MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCPLKSSMSGYIPSYLDKDEQCVCGDKATGYHYRCITC  
 EGCKGFFRRTIQNLHPTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDLVDDSKRVAKRKLIEQ  
 NRERRRKEEMIRSLQQRPEPTPEEWDLIHVATEAHRSTNAQGSWKQRRKFLPDDIGQSPIVSMPDGDV  
 DLEAFSEFTKIIITPAITRVVDFAKKLPFSELPCEQIILLKGCCMEIMSLRAAVRYDPESDTLTLSGEM  
 AVKREQLKNGGLGVVSDAIFELGKSLSAFNLDDTEVALLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFE  
 HYVNRKHNIPHFWPKLLMKVTLRMI GACHASRFLHMKVECPTLFPPLFLEVFEQEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

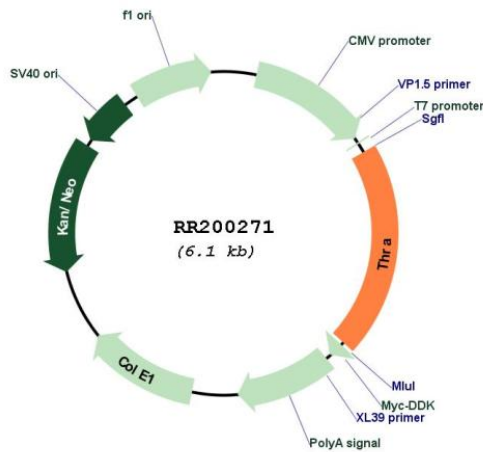
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001017960

<b>ORF Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001017960.1</a> , <a href="#">NP_001017960.1</a>
<b>RefSeq Size:</b>	2243 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	81812
<b>UniProt ID:</b>	<a href="#">P63059</a>
<b>Cytogenetics:</b>	10q31
<b>MW:</b>	46.8 kDa
<b>Gene Summary:</b>	binds the promoter of the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE1 and mediates thyroid hormone induced transcriptional activation [RGD, Feb 2006]