

Product datasheet for RN200271

Thra (NM_001017960) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thra (NM_001017960) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thra
Synonyms:	c-erbA-1; ERBA1; Thra1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200271 representing NM_001017960 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGCCAGAGGAGAACAGTGCCAGGTCACCAGATG
GAAAGCGAAAAAGGAAGAACGGCCAATGTCCCCTGAAAAGCAGCATGTCAGGGTATATCCCTAGTTACCT
GGACAAAGACGAGCAGTGTGTCGTGTGGGGACAAGGCCACCGTTATCACTACCGCTGTATCACTTGT
GAGGGCTGCAAGGGCTTCTTTCCGCGTACAATCCAGAAGAACCTCCATCCACCTATTCTGCAAAATATG
ACAGCTGCTGCGTCATCGACAAGATCACCCGGAATCAGTGCCAGTTGTGCCGCTTCAAGAAGTGCATCGC
TGTGGGCATGGCCATGGACCTGGTTCTAGACGATTCAAAGCGGGTGGCCAAACGCAAGCTGATTGAGCAG
AACCCGGGAGAGGAGGCGAAAGGAGGAGATGATCCGCTCGTGCAGCAACGACCAGAGCCACTCCTGAAG
AGTGGGATCTGATCCACGTTGCTACAGAGGCCATCGCAGCACCAATGCCAGGGCAGCCATTGGAAACA
GAGGCGAAAAATCCTGCCGGATGACATTGGCCAGTCACCTATTGTCTCCATGCCGGACGGAGACAAGGTA
GACCTAGAGGCCCTCAGCGAGTTACCAAGATCATCACCCGGCCATCACCCGCTGGTGGACTTTGCCA
AAAACTGCCATGTTCTCCGAGCTGCCTTGTGAAGACCAGATCATCCTCCTGAAGGGCTGCTGCATGGA
GATCATGTCCCTGCGGGCAGCTGCCGCTATGACCCTGAGAGCGACACCTGACCCTGAGTGGGGAGATG
GCGGTTAAGCGGGAGCAGCTCAAGAATGGTGGCTTGGGTGTAGTCTCCGACGCCATCTTTGAAGTGGGCA
AGTCACTCTCTGCCTTTAACCTGGATGATACGGAAGTGGCTCTGCTGCAGGCTGTCTGTTAATGTCAAC
AGACCGCTCTGGCCTGCTGTGTGGACAAAGATCGAGAAGAGTCAAGGAGCCTACCTGCTGGCGTTTGAG
CACTACGTCAACCACCGCAAACACAACATTCCGCACTTCTGGCCAAAGCTGCTGATGAAGGTGACTGACC
TCCGCATGATCGGGGCTGCCACGCCAGCCGCTTCTCCACATGAAAGTCGAGTGCCCCACCGAACTCTT
CCCCCACTCTTCTGGAGGTCTTTGAGGATCAGGAAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001017960
Insert Size:	1233 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:	<ol style="list-style-type: none">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:	<u>NM_001017960.1</u> , <u>NP_001017960.1</u>
RefSeq Size:	2243 bp
RefSeq ORF:	1233 bp
Locus ID:	81812
UniProt ID:	<u>P63059</u>
Cytogenetics:	10q31
Gene Summary:	<p>binds the promoter of the Na⁺/H⁺ exchanger NHE1 and mediates thyroid hormone induced transcriptional activation [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (TRalpha1) differs in the 3' UTR and coding region compared to TRalpha2, resulting in a shorter isoform (TRalpha1) with a distinct C-terminus. The TRalpha1 isoform, also known as c-erbAalpha1, functions as a thyroid hormone-dependent transcription factor.</p>