

Product datasheet for RN211980

Trh (NM_013046) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trh (NM_013046) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trh
Synonyms:	Pro-TRH; THR; Trf; TRH01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211980 representing NM_013046 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGGACCTTGTTGCTGCTGGCTCTGGCTTTGATCTTCACCCCTAACTGGTATCCCTGAATCCTGCG
CCTTGCCGGAGGCAGCCAGGAGGAAGGTGCAGTGACTCCTGACCTTCTGGCCTGGAGAATGTTTCAGGT
CCGGCCAGAACGTCGATTCTTGTTGAAAGACCTCCAGCGGGTGGAGAGGGACCTCGGTGCTGCCTTAGAC
TCCTGGATCACAAAACGCCAGCATCCAGGCAAAAGGGAGGAGGAAAAAGACATTGAAGCTGAAGAGA
GGGGAGACTTGGGAGAAGGGGGAGCCTGGAGACTCCACAAAACGACAGCACCCCGCCGACGTGCCAACCA
GGACAAGTATTCATGGGCAGATGAGGAGGACAGTGACTGGATGCCACGGTCTGGTTACCAGATTTCTTT
CTGGATTCTGGTTCTCAGATGTCCCCAAGTCAAGCGGCAGCACCCCTGGCAGGCGATCCTTCCCCCTGGA
TGGAGTCTGATGTACCAAGAGGCAACATCCAGGCCGGAGGTTCCATAGATCCCGAGCTCCAAAGAAGCTG
GGAAGAAAAGAGGGAGAGGGTGTCTTAATGCCTGAGAAAACGCCAGCATCCTGGCAAAAGGGCATTGGGT
CATCCCTGTGGGCCCCAGGGGACTTGTGGTCAAACAGGCCCTGCTCCAGCTTCTAGGTGACCTGAGCAGGG
GTCAGGAGACCCTGGTGAAGCAAAGCCCAAGTGAACCCTGGGACAAGGAACCTCTGGAGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013046
Insert Size:	768 bp



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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:	NM_013046.3 , NP_037178.1
RefSeq Size:	1409 bp
RefSeq ORF:	768 bp
Locus ID:	25569
UniProt ID:	P01150
Cytogenetics:	4q34
Gene Summary:	This gene encodes a member of the thyrotropin-releasing hormone family. Cleavage of the encoded proprotein releases mature thyrotropin-releasing hormone, which is a tripeptide hypothalamic regulatory hormone. The rat proprotein contains five thyrotropin-releasing hormone tripeptides. Thyrotropin-releasing hormone is involved in the regulation and release of thyroid-stimulating hormone, as well as prolactin, and may be involved in cardiac function in heart failure. Disruption of this gene is associated with hypothyroidism, elevated thyroid-stimulating hormone levels, and hyperglycemia. [provided by RefSeq, May 2013]