

Product datasheet for MC202032

Trh (NM_009426) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trh (NM_009426) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trh
Synonyms: Pro-TRH; Trf
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC053493 sequence for NM_009426
GGATTCTGGAGCCTTGCAGACTCTACCCAGCCAGTTTGCAGCTCTTCGGCTCAGCATCTTGGAAAGCTCTG
CAGAGTCTCCACCTTGCAGACTCCAAGATGCAGGGACCTTGGCTGATGATGGCTCTGGCTTTGATCTTCG
TGCTAACTGGTATCCCCAAATCCTGCGCCTTGCTGGAAGCAGCCAGGAGGAAGGTGCTGTGACTCCTGA
CCTTCCAGGCCTGGAGAAAGTCCAGGTCCGGCCAGAACGTCGATTCTTGAGGAAAGACCTCCAGCGTGTG
CGAGGGGACCTTGGTGTGCCTTAGATTCTGGATCACAAAACGCCAGCATCCGGGCAAAAGGGAGGAGA
AGTTGGAAGACGAAGCCGAAGAGAGGGGAGATTGGGAGAAGTGGGAGCCTGGAGACCCACAAACGACA
GCACCCTGGCCGACGTGCCAACCAAGACAAGGATTCATGGTCAGATGAGGGGGACAGTACTGGCTGCC
CCGTCCTGGCTACCAGATTTCTTTCTGGATTCTGGTTCTCAGATGCCCCCAAGTCAAGCGGCAGCACC
CTGGCAGGCGATCCTTCCCTGGATGGAGTCTGATGTCACCAAGAGGCAGCATCCAGGCCGGAGGTTTCAT
AGATCCTGAGCTCAAAGAAGCTGGGAAGAAACAGAGGGAGAGGAGGGTGGCTTAATGCCTGAGAAACGT
CAGCATCCTGGCAAAAGGGCAGTGGGTACCCCTTGTGGGCCCCAGGGGATTTGTGGCCAAACAGGCCTGC
TCCAGTCTTAGGTGACCTGAGTAGGGGCCAGGAGACCCCTGGCAAAAGCAAAACCCCAACTGGAAGCCTG
GGTCAGGGAACCTCTGGAGGAGTAAGGTTAGAGTCAGGCTTTAGGTCTAGGCTGATGTAAGCCCTGTGTA
TCCTATCCAGTCCCTTCACTGGTTTTCTTCTTAGATGCTAACCTGGGCCCTCTGTACATAGCATCCAC
CCAAACCCTCCCTTACCCACTTCAGGAACCTCAAAGAGCCAATCAGGAAGTTAAACCCTACTTATCCC
TTCAAGCAAGGAGGTGGGGGCCCTCTTCTCTGACAGCCCCACAGTCTCTCACCCCTTCCACTGGCCA
AGACGGTCTTCCACGCCTCCTAAGGGACCTCCTCAGAAAGGGTAGGATTGAAAAGTTTGGGTGTTAAAA
TCCAACCTGTGCATCTGCCCCATATGGCAAGACTGACCTGGTATAACTTCAGCGCATCCCAAGGTTG
GGGGCCCTAAGCAGTTTTGGGGATATTCAGATATGTTGGGGGGTACACATCTTGTATATAACCCCTGTC
TTGTTAATCTCAATGACAATAAAATATATCCAGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_009426
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:	BC053493 , AAH53493
RefSeq Size:	1421 bp
RefSeq ORF:	768 bp
Locus ID:	22044
UniProt ID:	Q62361
Cytogenetics:	6 41.03 cM
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 mouse 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. Disruption of this gene results in hypothyroidism, elevated thyroid-stimulating hormone levels, and hyperglycemia. [provided by RefSeq, Apr 2013]