

Product datasheet for MC209596

Tshr (NM_001113404) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tshr (NM_001113404) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tshr
Synonyms: A1481368; hypothroid; hyt; pet
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209596 representing NM_001113404
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGCCAGGGTCCCTGCTGCTGCTTGTCTGCTGCTCGCCCTGTCCAGGAGCCTGCGGGCAAAGAGT
 GTGCGTCTCCACCCTGTGAGTGTACCAGGAGGACGACTTCAGAGTCACCTGCAAGGAGCTCCACCGAAT
 CCCAGCCTGCCGCCAGCACCCAGACTCTGAAGCTCATCGAGACTCATCTGAAGACCATACCCAGTCTT
 GCATTTTCGAGTCTGCCCAATATTTCCAGGATCTATTTATCTATAGATGCAACTCTGCAGCGGCTGGAA
 CACATTCTTTCTACAATTTGAGTAAAATGACTCACATAGAAATCCGGAACACCAGAAGCTTAACCTATAT
 AGACCCTGATGCCTTGACAGAGCTCCCCTTGCTCAAGTTTCTTGGCATTTCATACTGGACTTAGAATA
 TTCCCTGACTTGACAAAATTTATTCACGGACATATTCTTTATACTTGAATCACAGACAACCTTACA
 TGACTTCGGTCCCTGAAAACGCATTCCAGGGCCTATGCAATGAAACCTTGACCCTGAAACTGTACAACAA
 TGGATTTACTTCAGTCCAAGGACATGCTTTCAATGGAACAAAGCTGGATGCTGTTTACCTAAACAAGAA
 AAATACCTGACAGCTATAGACAACGATGCCTTTGGAGGAGTATACAGTGGACCAACTTTGCTGTCATTT
 TCAAAGAAGAATTTGATTTCCACCAGGCACAAATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001113404
Insert Size: 738 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:	<u>NM_001113404.1</u> , <u>NP_001106875.1</u>
RefSeq Size:	1346 bp
RefSeq ORF:	738 bp
Locus ID:	22095
Cytogenetics:	12 44.51 cM
Gene Summary:	<p>Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin. Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Plays a central role in controlling thyroid cell metabolism.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2) that has a distinct C-terminus, compared to isoform 1.</p>