

Product datasheet for MR203300L4

Trh (NM_009426) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Trh (NM 009426) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Trh

Synonyms: Pro-TRH; Trf

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR203300).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_009426

ORF Size: 765 bp



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Trh (NM_009426) Mouse Tagged Lenti ORF Clone - MR203300L4

OTI Disclaimer: 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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 009426.2</u>, <u>NP 033452.2</u>

 RefSeq Size:
 1400 bp

 RefSeq ORF:
 771 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

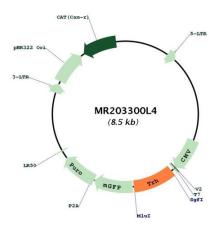
of thyroid-stimulating hormone, as well as prolactin. Disruption of this gene results in

hypothyroidism, elevated thyroid-stimulating hormone levels, and hyperglycemia. [provided

by RefSeq, Apr 2013]



Product images:



Circular map for MR203300L4