

## Product datasheet for RC200735L3

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Thyroid Hormone Receptor alpha (THRA) (NM 003250) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Thyroid Hormone Receptor alpha (THRA) (NM\_003250) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Thyroid Hormone Receptor alpha

Synonyms: AR7; c-ERBA-1; CHNG6; EAR7; ERB-T-1; ERBA; ERBA1; NR1A1; THRA1; THRA2; TRalpha

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

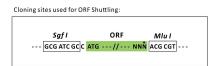
ORF Nucleotide The ORF insert of t

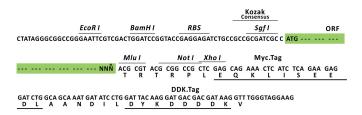
Sequence:

The ORF insert of this clone is exactly the same as(RC200735).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_003250

ORF Size: 1470 bp





## Thyroid Hormone Receptor alpha (THRA) (NM\_003250) Human Tagged Lenti ORF Clone – RC200735L3

**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.

**RefSeq:** <u>NM 003250.4</u>

RefSeq Size: 2566 bp
RefSeq ORF: 1473 bp
Locus ID: 7067

UniProt ID: P10827
Cytogenetics: 17q21.1

Domains: HOLI, zf-C4

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Protein Pathways:** Neuroactive ligand-receptor interaction

MW: 54.8 kDa

**Gene Summary:** The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is

one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Alternatively spliced transcript variants encoding distinct isoforms have

been reported. [provided by RefSeq, Jul 2008]