

## Recombinant Human THRB protein, His-tagged

Cat. No. THRB-01H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant protein from the full-length sequence of homo sapiens thyroid hormone receptor beta (THRB), transcript variant 2 (NM_001128176), with a His tag was expressed in human cells.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Human Cells  |
| <b>Description</b>      | 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. Mutations in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. |
| <b>Molecular Mass</b>   | 52.6 kDa   |
| <b>Endotoxin</b>        | < 0.1 ng/μg of protein (<1 EU /μg)   |
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining   |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and  |

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protein-protein interaction studies; For research & development use only!

**Storage Buffer**

Purified protein formulated in a sterile solution of PBS buffer, pH 7.2, without any preservatives

## GENE INFORMATION

**Gene Name**

THRB thyroid hormone receptor beta [ Homo sapiens (human) ]

**Official Symbol**

THRB

**Synonyms**

THRB; thyroid hormone receptor beta; GRTH; PRTH; THR1; ERBA2; NR1A2; THRB1; THRB2; TRbeta; C-ERBA-2; C-ERBA-BETA; thyroid hormone receptor beta; nuclear receptor subfamily 1 group A member 2; oncogene ERBA2; thyroid hormone nuclear receptor beta variant 1; thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)

**Gene ID**

7068

**mRNA Refseq**

NM\_001128176

**Protein Refseq**

NP\_001121648

**MIM**

190160

**UniProt ID**

P10828

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