

Recombinant Human THRB protein, His & T7-tagged

Cat. No. THRB-7861H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THRB aa. (Trp239~Glu457 (Accession # P10828)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Trp239~Glu457
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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; 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

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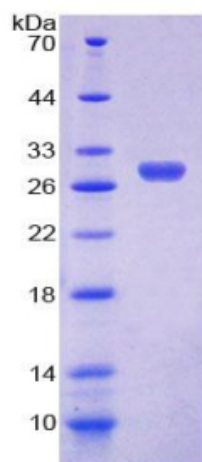
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mRNA Refseq NM_000461.4

Protein Refseq NP_000452.2

UniProt ID P10828

SDS-PAGE



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