

## Recombinant Human THRB Protein, Myc/DDK-tagged

Cat. No. THRB-1201H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant protein of human thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 2 with a C-Myc/DDK tag was expressed in HEK293T.

**Species** Human

**Source** HEK293

**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.

**Molecular Mass** 52.6 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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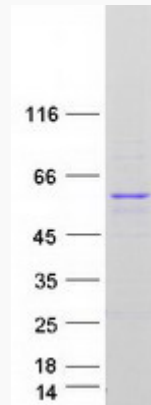
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<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	THRB thyroid hormone receptor beta [ Homo sapiens (human) ]
<b>Official Symbol</b>	THRB
<b>Synonyms</b>	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)
<b>Gene ID</b>	7068
<b>mRNA Refseq</b>	NM_001128176
<b>Protein Refseq</b>	NP_001121648
<b>MIM</b>	190160
<b>UniProt ID</b>	P10828

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**SDS-Page Image**

Coomassie blue staining of purified THRβ protein. The protein was produced from HEK293T cells transfected with THRβ cDNA clone using MegaTran 2.0.

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