

# Recombinant Human THRB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** THRB-1337H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	THRB MS Standard C13 and N15-labeled recombinant protein (NP_001121648) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>	52.8 kDa
<b>AA Sequence</b>	MTPNSMTENGLTAWDKPKHCPDREHDWKLVMSEACLHRKSHSERRSTLKNEQS SPHLIQTTWTSSIFHLDHDDVNDQSVSSAQTFQTEEKCKGYIPSYLDKDEL CVVCG DKATGYHYRCITCEGCKGFFRRTIQKNLHPSYSCKYEGKCVIDKVTRNQCQCECRFK KCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGHKPEPTDEEWELIKTV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TEAHVATNAQQSHWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAITRV  
 VDFAKKLPMFCELPCEQIILLKGCCMEIMSLRAAVRYDPESETLTNGEMAVTRGQ  
 LKNGGLGVVSDAIFDLGMSLSSFNLDDTEVALLQAVLLMSSDRPGLACVERIEKYQD  
 SFLLAFEHYINYRKHHVTHFWPKLLMKVTDLRMIGACHASRFLHMKVECPTELFPPPL  
 FLEVFEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [THRB thyroid hormone receptor beta \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [THRB](#)

**Synonyms**

THRB; thyroid hormone receptor, beta; ERBA2, pituitary resistance to thyroid hormone, PRTM, thyroid hormone receptor, beta (avian erythroblastic leukemia viral (v erb a) oncogene homolog 2), thyroid hormone receptor, beta (erythroblastic leukemia viral (v erb a) oncogene homolog 2, avian); thyroid hormone receptor beta; avian erythroblastic leukemia viral (v erb a) oncogene homolog 2; ERBA BETA; generalized resistance to thyroid hormone; GRTH; NR1A2; oncogene ERBA2; THR1; THRB1; THRB2; thyroid hormone receptor beta 1; nuclear receptor subfamily 1 group A member 2; thyroid hormone nuclear receptor beta variant 1; thyroid hormone

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receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian);  
PRTH; ERBA2; C-ERBA-2; C-ERBA-BETA; MGC126109; MGC126110;

**Gene ID** 7068

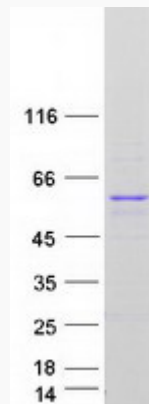
**mRNA Refseq** NM\_001128176

**Protein Refseq** NP\_001121648

**MIM** 190160

**UniProt ID** P10828

**SDS-PAGE**



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