

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

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

SPECIFICATION

Product Overview	THRB MS Standard C13 and N15-labeled recombinant protein (NP_001121648) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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	52.8 kDa
AA Sequence	MTPNSMTENGLTAWDKPKHCPDREHDWKLVGMSACLHRKSHSERRSTLKNEQS SPHLIQTWTSSIFHLDHDDVNDQSVSSAQTFQTEKKCKGYIPSYLDKDELCVVCG DKATGYHYRCITCEGCKGFFRRTIQKNLHPSYSCKYEGKCVIDKVTRNQCQECRFK KCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGHKPEPTDEEWELIKTV

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TEAHVATNAQGS HWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAITRV
VDFAKKLPMFCELPCEQIILLKGCCMEIMSLRAAVRYDPESETLTNGEMAVTRGQ
LKNGLGVVSDAIFDLGMSLSSFNLDDTEVALLQAVLLMSSDRPGLACVERIEKYQD
SFLLA FEHYINYRKHHVTHFWPKLLMKVTDLRMIGACHASRFLHMKVECPTELPPL
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, PRTH, 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

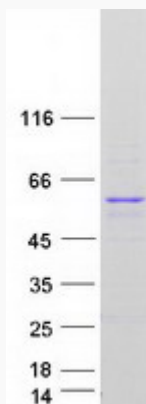
mRNA Refseq NM_001128176

Protein Refseq NP_001121648

MIM 190160

UniProt ID P10828

SDS-PAGE



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