Recombinant Human THRB

Cat. No. THRB-31522TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Thyroid Hormone Receptor beta; amino acids 1-461, approximately 53kDa.
Species	Human
Source	E.coli
ProteinLength	1-461 a.a.
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	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily.Contains 1 nuclear receptor DNA-binding domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	THRB thyroid hormone receptor, beta [Homo sapiens]
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 vir
Gene ID	7068
mRNA Refseq	NM_000461
Protein Refseq	NP_000452
MIM	190160
Uniprot ID	P10828
Chromosome Location	3p24.2

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Pathway	Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem;
Function	DNA binding; enzyme binding; metal ion binding; protein binding; receptor activity;

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