

## Recombinant Human THRβ

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human Thyroid Hormone Receptor beta; amino acids 1-461, approximately 53kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-461 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	THRB thyroid hormone receptor, beta [ Homo sapiens ]
<b>Official Symbol</b>	THRB
<b>Synonyms</b>	THRB; thyroid hormone receptor, beta; ERBA2, pituitary resistance to thyroid hormone , PPTH, thyroid hormone receptor, beta (avian erythroblastic leukemia viral (v erb a) oncogene homolog 2) , thyroid hormone receptor, beta (erythroblastic leukemia vir
<b>Gene ID</b>	7068
<b>mRNA Refseq</b>	NM_000461
<b>Protein Refseq</b>	NP_000452
<b>MIM</b>	190160
<b>Uniprot ID</b>	P10828
<b>Chromosome Location</b>	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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