

## Recombinant Human THRB protein, T7/His-tagged

**Cat. No.** THRB-68H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human THRB cDNA (461aa, derived from BC106930) fused with 31 aa T7/His/TEV at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	461 a.a.
<b>Form</b>	0.1 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
<b>AA Sequence</b>	MASMTGGQQMGRGHHHHHHGPLYFQGGFELTPNSMTENGLTAWDKPKHCPDR EHDWKLVMSEACLHRKSHSER RSTLKNEQSSPHLIQTTWTSSIFHLDHDDVNDQ SVSSAQTFQTEEKCKGYIPSYLDKDELVCVCGDKATGYHYR CITCEGCKGFFRRTI QKNLHPSYSCKYEGKCVIDKVTRNQCQECRFKKCIYVGMATDLVLDLDDSKRLAKRCLI EEN REKRRREELQKSIGHKPEPTDEEWELIKTVTEAHVATNAQGSHWKQKRKFLPE DIGQAPIVNAPEGGKVDLEAFS HFTKIITPAITRVVDFAKKLPMFCELPCEQIILLKGC CMEIMSLRAAVRYDPESETLTNGEMAVTRGQLKNGG LGVVSDAIFDLGMSLSSFN LDDTEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINYRKHHVTHFWPK L LMKVTDLRMIGACHASRFLHMKVECPTELPPLFLEVFD
<b>Purity</b>	>90% by SDS-PAGE
<b>Applications</b>	1. As soluble active recombinant protein, may be used for in vitro THRB protein

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functional study of thyroid hormone pathway regulation.2. As active protein, may be used for EMSA based DNA / protein binding assay.3. As protein substrate for kinase or ubiquitin enzymatic assay.4. As immunogen for specific antibody production.

**Storage**

Keep at -20centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## 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 , PPTH, 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; Nuclear Receptors, organism-specific biosystem;

**Function**

DNA binding; enzyme binding; metal ion binding; protein binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; thyroid hormone receptor activity; transcrip

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