

Recombinant Human THRB protein, T7/His-tagged

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

SPECIFICATION

Product Overview	Recombinant human THRB cDNA (461aa, derived from BC106930) fused with 31 aa T7/His/TEV at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	461 a.a.
Form	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.
AA Sequence	MASMTGGQQMGRGRHHHHHHGNYLFQGGFELTPNSMTENGLTAWDKPKHCPDR EHDWKLVGMSEACLHRKSHSER RSTLKNEQSSPHLIQTTWTSSIFHLDHDDVNDQ SVSSAQTFQTEKKCKGYIPSYLDKDELVCVCGDKATGYHYR CITCEGCKGFFRRTI QKNLHPSYSCKYEGKCVIDKVTRNQCQECRFKKCIYVGMATDLVLDDSKRLAKRKLI EEN REKRRREELQKSIGHKPEPTDEEWELIKTVTEAHVATNAQGSHWKQKRKFLPE DIGQAPIVNAPEGGKVDLEAFS HFTKIITPAITRVVDFAKKLPMFCELPCEQIILLKGC CMEIMSLRAAVRYDPESETLTNGEMAVTRGQLKNGG LGVSDAIFDLGMSLSSFN LDDTEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINYRKHHVTHFWPK L LMKVTDLRMIGACHASRFLHMKVECPTLFPPLFLEVFD
Purity	>90% by SDS-PAGE
Applications	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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