

Recombinant Human Thyroid hormone receptor beta, GST-tagged

Cat. No. THRB-110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Thyroid hormone receptor beta ligand-binding domain (THRB-LBD) consists of a 218 a.a. GST tag, a 13 a.a. flexible linker and a 260 a.a. THRB-LBD, Acc# AAI06930.1, amino acids 202-461. GST tagged THRB-LBD was expressed in baculovirus-infected insect cells and purified using affinity chromatography.
Species	Human
Source	Sf9 Cells
ProteinLength	202-461 a.a.
Description	Thyroid hormone receptor beta (TR-beta or THRB) is also known as nuclear receptor subfamily 1, group A, member 2 (NR1A2).
Form	50 mM Tris-HCl pH 8.0, 150 mM NaCl, 0.5 mM EDTA, 3 mM Dithiothreitol, 7 mM reduced glutathione, 20% glycerol.
Purity	>90%
Applications	Ligand binding and coactivator peptide recruitment assays.
Storage	Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

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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 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 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_000461
Protein Refseq	NP_000452
MIM	190160
UniProt ID	P10828
Chromosome Location	3p24.2
Pathway	Gene Expression, organism-specific biosystem; Generic Transcription Pathway,

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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; transcription corepressor activity; zinc ion binding;

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