

Native Human Thyroid Stimulating Hormone, Beta

Cat. No. TSHB-704H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human TSHB is purified Human pituitary glands.
Species	Human
Source	Human Pituitary Gland
Description	The four humanglycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), folliclestimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. Thyroid stimulating hormone functions in the control of thyroid structure and metabolism. The protein encoded by this gene is the beta subunit of thyroid stimulating hormone. Mutations in this gene result in congenital hypothyroidism.
Form	Lyophilized from 0.05 M ammonium bicarbonate.
Concentration	1.0 mg/mL
Purity	> 98% as determined by SDS-PAGE analysis
Reconstitution	Centrifuge vial prior to opening. Add 50 mM Tris, pH 7.5 to the vial to fully solubilize the protein to a concentration of 1-2 mg/ml.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.

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OfficialSymbol TSHB

GENE INFORMATION

Gene Name TSHB thyroid stimulatinghormone, beta [Homo sapiens]

Synonyms TSHB; thyroidstimulating hormone, beta; TSH-BETA; TSH-B; CHNG4; TSH-beta; Thyrotropinalfa; thyrotropin subunit beta; thyrotropin beta chain; thyrotropin betasubunit; thyroid-stimulating hormone subunit beta

Gene ID 7252

mRNA Refseq NM_000549

Protein Refseq NP_000540

MIM 188540

UniProt ID P01222

Chromosome Location 1p13

Pathway Amine-derivedhormones; Autoimmune thyroid disease; Class A/1 (Rhodopsin-like receptors); Galpha (s) signalling events; GPCR downstream signaling; GPCR ligand binding;Glycoprotein hormones; Hormone ligand-binding receptors; Metabolism;Metabolism of amino acids and derivatives; Neuroactive ligand-receptorinteraction; Peptide hormone biosynthesis; Signal Transduction; Signaling byGPCR; Thyroxine biosynthesis

Function hormone activity

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