

Recombinant Human TSHB protein, MYC/DDK-tagged

Cat. No. TSHB-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSHB fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating 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 are associated with congenital central and secondary hypothyroidism and Hashimoto's thyroiditis. Alternative splicing of this gene results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	13.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	TSHB thyroid stimulating hormone, beta [Homo sapiens]
Official Symbol	TSHB
Synonyms	TSHB; thyroid stimulating hormone, beta; thyrotropin subunit beta; thyrotropin beta chain; thyrotropin beta subunit; thyroid-stimulating hormone subunit beta; TSH-B; TSH-BETA;
Gene ID	7252
mRNA Refseq	NM_000549
Protein Refseq	NP_000540
MIM	188540
UniProt ID	P01222

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