

Active Recombinant Human TSHB+TSHA co-expressed protein

Cat. No. TSHB-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSHB(Phe21-Val138)&TSH alpha(Ala25-Ser116) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	21-138;25-116 a.a.
Predicted N Terminal	Ala25 (TSH alpha) & Phe21 (TSH beta)
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce cAMP accumulation in HEK293 human embryonic kidney cells transfected with human TSH R. Morgenthaler, N.G. et al. (1998) Horm. Metab. Res. 30:162. The ED50 for this effect is typically 0.25-1.5 ng/mL.
Molecular Mass	Predicted Molecular Mass: 10.2 (TSH alpha), 13.5 (TSH beta) kDa; SDS-PAGE: 15-29 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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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