

Product information



TSHB, 21-138aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2427

Full name: Thyrotropin subunit beta precursor

NCBI Accession No.: NP_000540

Synonyms: Thyroid stimulating hormone, beta, TSH-B, TSH-BETA

Description: The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimmers 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. TSHB is the beta subunit of thyroid stimulating hormone. Mutations in this gene result in congenital hypothyroidism. Recombinant human TSHB protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

| | |
|--|---------------------------|
| <p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea</p> <p>Molecular Weight: 15.9kDa (141 aa)</p> <p>Purity: >85 % by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p> | <p>15% SDS-PAGE (3ug)</p> |
| <p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSFCIPTEY TMHIERRECA YCLTINTTIC AGYCMTRDIN GKLFLPKYAL SQDVCTYRDF IYRTVEIPGC PLHVAPYFSY PVALSCKCGK CNTDYSDCIH EAIKTNXYCK PQKSYLVGFS V</p> | |

General references:

Hayashizaki Y., Miyai K.. *et al.* (1985). *FEBS Lett.* 188:394-400

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com