

Thyroid Stimulating Hormone beta subunit Reference standard

Cat. No. TSHB-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The preparation consists of a batch of ampoules containing purified β -Subunit of human TSH.
Species	Human
Enzyme Unit	Nominal ampoule content is 2.5 μ g per ampoule.
Usage	For all practical purposes each ampoule contains the same amount of the same materials. Dissolve the total contents in a know amount of suitable buffer solution with carrier protein (free of peptidase), where extensive dilution is required, to minimize loss of surface adsorption. No attempt should be made to weigh out portions of the freeze-dried powder. For economy of use, it is recommended that the solution be subdivided into several small containers, which are frozen rapidly to below -70°C and then stored below -30°C in the dark. Repeated freezing and thawing should be avoided. The material has not been sterilized and contains no bacteriostat. Suitable precautions should be taken in the use and disposal of the ampoule and its contents.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures probably will include the wearing of protective gloves and avoiding the generation of

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aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Storage

Unopened ampoules should be stored at –20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name TSHB thyroid stimulating hormone, beta [Homo sapiens];

Official Symbol TSHB

Synonyms TSH-B; TSH-BETA; thyrotropin subunit beta; thyrotropin beta chain

Gene ID 7252

mRNA Refseq NM_000549

Protein Refseq NP_000540

MIM 188540

UniProt ID P01222

Chromosome Location 1p13

Pathway Amine-derived hormones, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Metabolism, organism-specific biosystem

Function hormone activity

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