9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TSHB Human

TSHB Human Recombinant
HRM0121

Product Overview

Name	TSHB Human
Description	
TSHB Human Recombinant	
Accession (Primary)	P01222
Synonyms	
TSHB	
Introduction	
TSHB is a hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the T gland. Stimulates the gland to secrete the hormones (T4) and triiodothyronine (T3). Production is controlled by a Thyrotropin Releasing Hormone, (TRH), which is manufactured in the hypothalamus and transported to the Anterior Pituitary gland, where it increases production and release. Somatostatin is also produced by the hypothalamus, and has an opposite effect on the pituitary production, decreasing or inhibiting its release. The level of T hormones (T3 and T4) in the blood have an additional effect on the pituitary release of TSH, When the levels of T3 and T4 are low, the production is increased, and conversely, when levels of T3 and T4 are high, then production is decreased. This effect creates a regulatory negative feedback loop.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
TSHB protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS FCIPTEY TMHIERRECA YCLTINTTIC AGYCMTRDIN GKLFLPKYAL	

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SQDVCTYRDF IYRTVEIPGC PLHVAPYFSY PVALSCKCGK CNTDYSDCIH EAIKTNYCTK PQKSYLVGFS V.

Precautions

TSHB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01222)