

Recombinant Human TSHB & TSHA R55G, His-tagged

Cat. No. TSHB-TSHA-07M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TSHB and TSHA Protein, (Phe21-Val138, one mutant and Ala25-Ser116) with His tag was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	TSHB: Phe21-Val138, one mutant TSHA: Ala25-Ser116
Description	Thyroid-stimulating hormone, commonly called TSH and also referred to as thyrotropin, is a hormone that your pituitary gland releases to trigger your thyroid to produce and release its own hormones-thyroxine (T4) and triiodothyronine (T3). These two hormones are essential for maintaining your body's metabolic rate-the speed at which your body transforms the food you eat into energy and uses it.
AA Sequence	TSHB:FCIPTEYTMHIERRECAAYCLTINTTICAGYCMTRDINGKLFPLKYALSQDVCTY GDFIYRTVEIPGCPLHVAPYFSYPVALSCKCGKCNTDYSDCIHEAIKTNCTKPKQKSY LVGFSVAHHHHHHHHHHH TSHA:APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQK NVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKS
Endotoxin	< 1 EU/μg protein by LAL
Purity	> 80% by SDS-PAGE

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Storage

Store it at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration

0.5 mg/mL

Storage Buffer

Sterile PBS, pH 7.4

GENE INFORMATION
Official Symbol

TSHB, TSHA

Synonyms

TSHB; thyroid stimulating hormone subunit beta; TSH-B; TSH-BETA; thyrotropin subunit beta; thyroid stimulating hormone beta; thyrotropin beta chain; CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA; FSHA; GPA1; GPHA; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; anterior pituitary glycoprotein hormones common subunit alpha; choriogonadotropin alpha chain; chorionic gonadotrophin subunit alpha; chorionic gonadotropin, alpha polypeptide; follicle-stimulating hormone alpha chain; follicle-stimulating hormone alpha subunit; follitropin alpha chain; luteinizing hormone alpha chain; lutropin alpha chain; thyroid-stimulating hormone alpha chain; thyrotropin alpha chain

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