

Recombinant Mouse TSHB and TSHA Protein, His tagged

Cat. No. TSHB-TSHA-05M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TSHB and TSHA Protein, (Met1-Val138, one mutant and Ala25-Ser116) with His tag was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	TSHB: Met1-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.
Molecular Mass	~ 27 kDa
AA Sequence	MTALFLMSMLFGLTCGQAMSFCIPTEYTMHIERRECAAYCLTINTTICAGYCMTRDING KLFLPKYALSQDVCTYRDFIYRTVEIPGRPLHVAPYFSYPVALSCKCGKCNTDYSDCI HEAIKNTNYCTKPQKSYLVGFSVHHHHHH MAPDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTS ESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKSHHHHHH
Endotoxin	< 1 EU/μg protein by LAL

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Purity	> 90% as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.22 mg/mL
Storage Buffer	Supplied in PBS buffer, 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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**SDS-PAGE analysis
profile of purified
TSHB&TSHA**



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