# Recombinant Mouse TSHB and TSHA Protein, His tagged

**Cat. No.** TSHB-TSHA-06M **Lot. No.** (See product label)

## SPECIFICATION

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| **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<br>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** | MSMLFGLTCGQAMSFCIPTEYTMHIERRECAYCLTINTTICAGYCMTRDINGKLFLPK YALSQDVCTYRDFIYRTVEIPGCPLHVAPYFSYPVALSCKCGKCNTDYSDCIHEAIKT NYCTKPQKSYLVGFSVHHHHHH<br>MAPDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTS ESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYYHKSHHHHHH |
| **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** | 0.84 mg/mL |
| **Storage Buffer** | Supplied in PBS buffer, pH 7.4 |

## GENE INFORMATION

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| **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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