

Recombinant Rat Tshb Protein, His-tagged

Cat. No. Tshb-496R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tshb Protein (Phe21-Tyr132) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Phe21-Tyr132
Description	Predicted to enable hormone activity. Involved in response to calcium ion; response to estrogen; and response to vitamin A. Predicted to be active in cytoplasm and extracellular space. Human ortholog(s) of this gene implicated in congenital nongoitrous hypothyroidism 4 and hypothyroidism. Orthologous to human TSHB (thyroid stimulating hormone subunit beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.6 kDa Accurate Molecular Mass: 17 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Tshb thyroid stimulating hormone, beta [*Rattus norvegicus* (Norway rat)]

Official Symbol

Tshb

Synonyms

TSHB; thyroid stimulating hormone, beta; thyrotropin subunit beta; TSH-B; TSH-beta; thyrotropin beta chain; thyroid-stimulating hormone subunit beta; thyroid stimulating hormone, beta subunit

Gene ID

25653

mRNA Refseq

NM_013116

Protein Refseq

NP_037248

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