

Recombinant Rat TSHB Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52632

Size: 10ug, 100ug

Protein Name: Thyrotropin subunit beta (Thyroid-stimulating hormone subunit beta) (TSH-B) (TSH-beta) (Thyrotropin beta chain)

Synonym: Tshb

UniProt ID: P04652

UniProt Link: www.uniprot.org/uniprotkb/P04652/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 138 AA

Molecular Weight: 16 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MNAVVLFSVLFALACGQVSSFCIPTEYMMYVDRRECAYCLTINTTICAGYCMTRDINGKLF LPKYALS
QDVCTYRDFTYRTVEIPGCPHHVAPYFSYPVALSCKCGKCNTDYS DCTHEAVKTN YCTKPQTFYLG
GFSG

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Thyrotropin subunit beta (Thyroid-stimulating hormone subunit beta) (TSH-B) (TSH-beta) (Thyrotropin beta chain) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Indispensable for the control of thyroid structure and metabolism.

Subcellular Localization: Secreted.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.