

## Recombinant TSH antigen

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<b>Catalog number</b>	610175
<b>Description</b>	Recombinant Human Thyroid Stimulating Hormone (TSH) protein, including both alpha and beta subunits, with a C-terminal histidine tag in the beta subunit. Predicted molecular weight: 25 kDa.
<b>Amino acid sequence</b>	Alpha subunit APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLV QKNVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKS  Beta subunit FCIPTEYTMHIERRECAAYCLTINTTICAGYCMTRDINGKLFLPKYALSQDVC TYRDFIYRTVEIPGCPHVPYFSYPVALSCKCGKCNTDYSDCIHEAIKTN CTKPQKSYLVGFSVSGHHHHHH
<b>Product host</b>	Chinese hamster ovary cell line (CHO)
<b>Product formulation</b>	Liquid
<b>Product buffer solution</b>	50 mM Tris-HCl, 150 mM NaCl, pH 7.5
<b>Reconstitution</b>	-
<b>Shelf life and storage</b>	Unspecified, storage at -20 °C
<b>Analyte description</b>	Thyroid-Stimulating Hormone (TSH) is a vital glycoprotein hormone released by the anterior pituitary gland, responsible for regulating thyroid activity. By binding to specific receptors on thyroid follicular cells, TSH prompts the synthesis and release of crucial thyroid hormones like thyroxine (T4) and triiodothyronine (T3). TSH levels are pivotal indicators in diagnosing and managing thyroid disorders, including hypothyroidism and hyperthyroidism.
<b>Product concentration</b>	Lot specific
<b>Purity</b>	N/A
<b>Antibodies tested</b>	Anti-h TSH 5405 Anti-h TSH 5408 Anti-h TSH 5409 Anti-h Alpha subunit 6601
<b>Miscellaneous</b>	N/A

**Legal disclaimer**