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Recombinant TSH antigen

Catalog number	610175
Description	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.
Amino acid sequence	Alpha subunit APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLV QKNVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYYHKS
	Beta subunit FCIPTEYTMHIERRECAYCLTINTTICAGYCMTRDINGKLFLPKYALSQDVC TYRDFIYRTVEIPGCPLHVAPYFSYPVALSCKCGKCNTDYSDCIHEAIKTNY CTKPQKSYLVGFSVGSGHHHHHH
Product host	Chinese hamster ovary cell line (CHO)
Product formulation	Liquid
Product buffer solution	50 mM Tris-HCl, 150 mM NaCl, pH 7.5
Reconstitution	-
Shelf life and storage	Unspecified, storage at -20 °C
Analyte description	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.
Product concentration	Lot specific
Purity	N/A
Antibodies tested	Anti-h TSH 5405 Anti-h TSH 5408 Anti-h TSH 5409 Anti-h Alpha subunit 6601
Miscellaneous	N/A



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