

CGA/TSHB

Native Human Thyroid Stimulating Hormone

Catalog No.	CRT504-100 CRT504-1000	Quantity:	100 µg 1 mg
Alternate Names:	Thyrotropic Hormone, Thyrotrophin, Thyrotropin, TSH, TTH, TSH-A, TSH-B		
Description:	Native human Thyroid Stimulating Hormone (TSH) The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical (CGA), however, their beta chains are unique and confer biological specificity. Thyroid stimulating hormone functions in the control of thyroid structure and metabolism. The beta subunit of thyroid stimulating hormone is encoded by the gene TSHB.		
Gene ID:	7252		
Source:	Human pituitary glands		
Molecular Weight:	28 kDa		
Formulation:	Lyophilized from a solution in 50 mM Ammonium Bicarbonate		
Purity:	≥95% by SDS-PAGE		
Biological Activity:	Calibrated to the WHO 80/558 International Standard		
Specific Activity:	≥ 8.5 IU/mg		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute using neutral pH buffer of choice. Avoid extreme high and low pH.		
Storage & Stability:	Upon receipt, store as supplied at 2-8 °C. After reconstitution, store in working aliquots at -20 °C to -80 °C for up to one year. Avoid repeated freeze-thaw cycles.		
Contaminants:	All contaminants are reported by Siemens IMMULITE FSH: 22 IU/mg HGH: <0.001 mg/mg LH: 790 IU/mg PRL: <0.001 mg/mg		
Statement:	Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		

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