



Human TSH (natural)

Synonyms: Glycoprotein hormones alpha chain, Anterior pituitary glycoprotein hormones common subunit alpha, Follitropin alpha chain, Follicle-stimulating hormone alpha chain, FSH-alpha, Lutropin alpha chain, Luteinizing hormone alpha chain, LSH-alpha, Thyrotropin alpha chain, Thyroid-stimulating hormone alpha chain, TSH-alpha, Choriongonadotropin alpha chain, Chorionic gonadotrophin alpha subunit, CG-alpha, Thyrotropin subunit beta, Thyroid-stimulating hormone subunit beta, TSH-beta, TSH-B, Thyrotropin beta chain, Thyrotropin alfa.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	2255.959.002		
10 µg	2255.959.010		
1 mg	2255.959.199		

Please enquire for bulk quantities and other vial sizes.

Description

Thyroid Stimulating Hormone Human produced in Human pituitary glands is an important indicator of thyroid function.

- **Source** Human pituitary glands
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from a concentrated solution containing 50mM ammonium bicarbonate*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

11.72 IU/mg vial by Centaur CP. Siemens Centaur CP is standardized against WHO 3 rd IRP 81/565.

Reconstitution

It is recommended to reconstitute the lyophilized TSH in 10mM sodium phosphate, 150mM NaCl & 1 mg/ml BSA, pH 7.4.

Stability

Lyophilized TSH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TSH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1 % HSA, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). **Please avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.