

Thyroid Stimulating Hormone Active Protein | TSH active protein

Thyroid Stimulating Hormone, High Purity

CATALOG #
AAA11501

PRODUCT SYNONYMS

Thyroid Stimulating Hormone; High Purity; TSH; Thyrotropin; TSH active protein

PRODUCT SPECIFICATIONS

Purity/Purification	≥ 95% (SDS-PAGE)
Form/Format	Lyophilized from 50mM ammonium bicarbonate
Source	Human Pituitary Glands
Physical Appearance	White to almost white lyophilized powder
Contaminants	FSH 0.5% hGH <0.1% LH <1.0% PRL <0.1%
Activity	7.5 IU/mg
Reconstitution	Reconstitute using neutral pH buffer of choice. Avoid using extreme high and low pH.
Handling	Handle as a potentially hazardous substance.
Preparation and Storage	Aliquot and freeze at -20°C after reconstitution Protect from moisture

ADDITIONAL INFORMATION

Related Product Information for TSH active protein

We offers High Purity Thyroid Stimulating Hormone (TSH) for clinical research and IVD bulk manufacturing.

Technical support, bulk quantities and custom buffers and aliquoting available.

Thyroid-stimulating hormone (also known as TSH or thyrotropin) is a peptide hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH is a glycoprotein and consists of two subunits, the alpha and the beta subunit.

The TSH test is often the test of choice for evaluating thyroid function and/or symptoms of hyperthyroidism or hypothyroidism. It is frequently ordered along with or preceding a T4 test. Other thyroid tests that may be ordered include a T3 test and thyroid antibodies (if autoimmune-related thyroid disease is suspected).

according to Labtest online: A high TSH result often means an underactive thyroid gland that is not responding adequately to the stimulation of TSH due to some type of acute or chronic thyroid dysfunction. Rarely, a high TSH result can indicate a problem with the pituitary gland, such as a tumor producing unregulated levels of TSH. A high value can also occur when someone with a known thyroid disorder or who has had their thyroid gland removed is receiving too little thyroid hormone medication.

A low TSH result can indicate an overactive thyroid gland (hyperthyroidism) or excessive amounts of thyroid hormone medication in those who are being treated for an underactive (or removed) thyroid gland. Rarely, a low TSH result may indicate damage to the pituitary gland that prevents it from producing adequate amounts of TSH.

Product Categories/Family for TSH
active protein

Proteins; Antigens; Standards/controls; Native Proteins; Thyroid Stimulating Hormone (tsh)

NCBI AND UNIPROT INFORMATION

Molecular Weight

28,000

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tsh-active-protein/thyroid-stimulating-hormone/11501>