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Recombinant Thyroid-Stimulating Hormone

National Cancer Institute

Source

National Cancer Institute. *Recombinant Thyroid-Stimulating Hormone*. NCI Thesaurus. Code C887.

A recombinant form of the heterodimeric human anterior pituitary glycoprotein thyroid-stimulating hormone (TSH) with potential use in hormone replacement therapy. Recombinant TSH binds to TSH receptors on thyroid epithelial cells and stimulates TSH-dependent signaling pathways. This stimulates iodine uptake and organification, and induces synthesis and secretion of thyroglobulin (Tg), triiodothyronine (T3), and thyroxine (T4).