

Human Thyrotropin-Releasing Hormone Peptide

Cat. No. TRH-703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TRH is Synthetic, which having a molecule weight of 362.39 Da.
Species	Human
Source	Synthetic
Description	Protirelin stimulates the secretion of pituitary thyroid stimulating hormone from the anterior pituitary and has been shown that protirelin increases secretion of prolactin. Protirelin is identified as 5-oxo-L-prolyl-L-histidyl-L-prolineamide. It is a synthetic tripeptide that is believed to be structurally identical to the naturally-occurring thyrotropin-releasing hormone produced by the hypothalamus. Human TRH C ₁₆ H ₂₂ N ₆ O ₄ has a MW of 362.39 Da.
Molecular Weight	362.39 Da
Form	Human Thyrotropin-releasing hormone was lyophilized with no additives.
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 98.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained.
Endotoxin Level	Less than 0.1 ng/g (1 EU/g) of Recombinant Human Thyrotropin-releasing hormone.
Storage	Lyophilized TRH although stable at room temperature for 3 weeks, should be stored

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desiccated below -18°C. Upon reconstitution TRH 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 or BSA). Avoid freeze-thaw cycles.

Official Symbol TRH

GENE INFORMATION

Gene Name TRH thyrotropin-releasing hormone [Homo sapiens]

Synonyms TRH; thyrotropin-releasing hormone; prothyroliberin; MGC125964; MGC125965; OTTHUMP00000216039; OTTHUMP00000216040

Gene ID 7200

mRNA Refseq NM_007117

Protein Refseq NP_009048

MIM 613879

UniProt ID P20396

Chromosome Location 3q13.3-q21

Pathway Class A/1(Rhodopsin-like receptors); G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR

Function neuropeptide hormone activity; thyrotropin-releasing hormone activity

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