

**TRH Blocking Peptide (C-Term)**  
**Synthetic peptide**  
**Catalog # BP21788b****Specification**

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**TRH Blocking Peptide (C-Term) - Product Information**Primary Accession [P20396](#)**TRH Blocking Peptide (C-Term) - Additional Information****Gene ID** 7200**Other Names**

Pro-thyrotropin-releasing hormone, Pro-TRH, Prothyroliberin, Thyrotropin-releasing hormone, TRH, Protirelin, TSH-releasing factor, Thyroliberin, Thyrotropin-releasing factor, TRF, TRH

**Target/Specificity**

The synthetic peptide sequence is selected from aa 177-191 of HUMAN TRH

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TRH Blocking Peptide (C-Term) - Protein Information****Name** TRH**Function**

As a component of the hypothalamic-pituitary-thyroid axis, it controls the secretion of thyroid-stimulating hormone (TSH) and is involved in thyroid hormone synthesis regulation. It also operates as modulator of hair growth. It promotes hair-shaft elongation, prolongs the hair cycle growth phase (anagen) and antagonizes its termination (catagen) by TGFB2. It stimulates proliferation and inhibits apoptosis of hair matrix keratinocytes.

**Cellular Location**

Secreted.

**Tissue Location**

Hypothalamus. Expressed in the hair follicle epithelium (at protein level).

## **TRH Blocking Peptide (C-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **TRH Blocking Peptide (C-Term) - Images**

## **TRH Blocking Peptide (C-Term) - Background**

Functions as a regulator of the biosynthesis of TSH in the anterior pituitary gland and as a neurotransmitter/ neuromodulator in the central and peripheral nervous systems. May promote hair shaft elongation, prolonge the hair cycle growth phase (anagen) and antagonized its termination by TGFB2. May also increase proliferation and inhibited apoptosis of hair matrix keratinocytes.

## **TRH Blocking Peptide (C-Term) - References**

Yamada M.,et al.Mol. Endocrinol. 4:551-556(1990).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Gaspar E.,et al.FASEB J. 24:393-403(2010).