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TRH Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21788b

Specification

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).

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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).