

Recombinant Human TRH Protein, His&GST-tagged

Cat. No. TRH-489H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRH Protein (Gln227-Pro229*10) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln227-Pro229*10
Description	This gene encodes a member of the thyrotropin-releasing hormone family. Cleavage of the encoded proprotein releases mature thyrotropin-releasing hormone, which is a tripeptide hypothalamic regulatory hormone. The human proprotein contains six thyrotropin-releasing hormone tripeptides. Thyrotropin-releasing hormone is involved in the regulation and release of thyroid-stimulating hormone, as well as prolactin. Deficiency of this hormone has been associated with hypothalamic hypothyroidism.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.6 kDa Accurate Molecular Mass: 38 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TRH thyrotropin-releasing hormone [Homo sapiens (human)]
Official Symbol	TRH
Synonyms	TRH; thyrotropin-releasing hormone; prothyroliberin; MGC125964; MGC125965
Gene ID	7200
mRNA Refseq	NM_007117
Protein Refseq	NP_009048
MIM	613879
UniProt ID	P20396

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