

Recombinant Mouse Trh Protein, His-tagged

Cat. No. Trh-488M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Trh Protein (Glu27-Glu256) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu27-Glu256
Description	<p>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 mouse proprotein contains five thyrotropin-releasing hormone tripeptides. Thyrotropin-releasing hormone is involved in the regulation and release of thyroid-stimulating hormone, as well as prolactin. Disruption of this gene results in hypothyroidism, elevated thyroid-stimulating hormone levels, and hyperglycemia.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.9 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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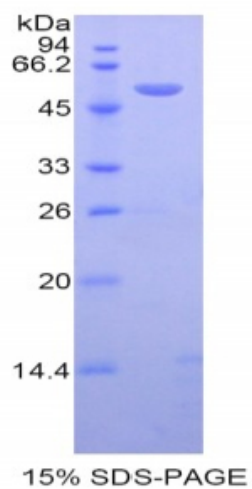
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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 [Mus musculus (house mouse)]
Official Symbol	Trh
Synonyms	TRH; thyrotropin releasing hormone; prothyroliberin; AI324969; AL022609
Gene ID	22044
mRNA Refseq	NM_009426
Protein Refseq	NP_033452
UniProt ID	Q62361

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