

Recombinant Human TRH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRH-2186H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TRH MS Standard C13 and N15-labeled recombinant protein (NP_009048) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	27.4 kDa
AA Sequence	MPGPWLLLALALTLNLTGVPGGRAQPEAAQQEAVTAAEHPLDDFLRQVERLLFLR ENIQRLLQGDQGEHSASQIFQSDWLSKRQHPGKREEEEEEGVEEEEEEGGAVGPH KRQHPGRREREASWSVDVTQHQRQHPGRRSPWLAYAVPKRQHPGRRRLADPKAQ RSWEEEEEEEEEREEDLMPEKRQHPGKRALGGPCGPQGAYGQAGLLLGLLDDLRS QGAEKQRQHPGRRAAWVREPLEETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

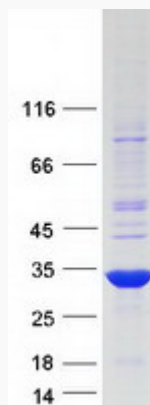
GENE INFORMATION

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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SDS-PAGE

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