Active Recombinant Full Length Human TRH Protein, C-Flag-tagged

Cat. No. TRH-368HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TRH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	27.2 kDa
AA Sequence	MPGPWLLLALALTLNLTGVPGGRAQPEAAQQEAVTAAEHPGLDDFLRQVERLLFLR ENIQRLQGDQGEHS ASQIFQSDWLSKRQHPGKREEEEEEGVEEEEEEEGGAVGP HKRQHPGRREDEASWSVDVTQHKRQHPGRR SPWLAYAVPKRQHPGRRLADPKA QRSWEEEEEEEEREEDLMPEKRQHPGKRALGGPCGPQGAYGQAGLLL

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

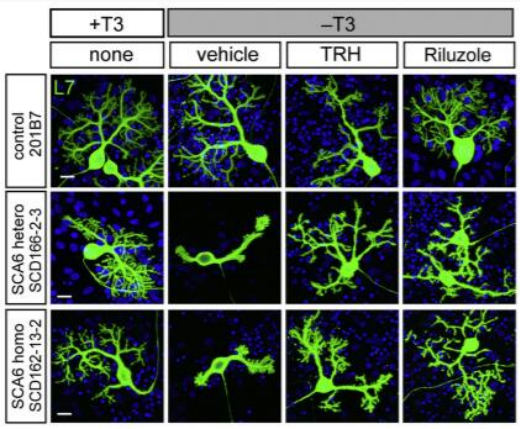
	GLLDDLSRSQGAEEKRQHPGRRAAWVREPLEETRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	TRH thyrotropin releasing hormone [Homo sapiens (human)]
Official Symbol	TRH
Synonyms	TRF; Pro-TRH
Gene ID	7200
mRNA Refseq	NM_007117.5

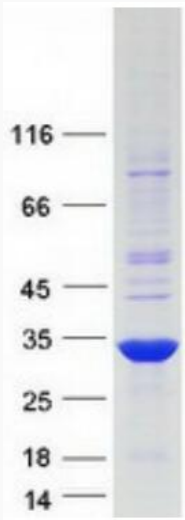
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Protein Refseq	NP_009048.1
MIM	613879
UniProt ID	P20396



TRH enhances the survival and dendritic maintenance of SCA6 Purkinje cells. Highmagnification images are L7+ Purkinje cells in green derived from control, heterozygous, and homozygous iPSCs on culture day 75 in the presence or absence of T3 and with or without TRH1 or Riluzole. The scale bars represent 20 um.

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Coomassie blue staining of purified TRH protein.

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