

**GNRH1, 24-92aa, Human, His tag, E.coli**

**Cat.NO.: TP02300**

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3th Edition

**Synonyms:** Progonadoliberin-1 isoform 2 preproprotein, Gonadotropin-releasing hormone 1, GNRH, GRH, HH12, LHRH, LNRH

**Description:** GNRH1 is secreted and then cleaved to form the 10 aa luteinizing hormone-releasing hormone (LHRH, also known as gonadoliberin-1), and prolactin release-inhibiting factor (also known as GnRH-associated peptide 1). GNRH1 stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. The protein stimulates the secretion of gonadotropins; it stimulates the secretion of both luteinizing and follicle-stimulating hormones. Recombinant human GNRH1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:** 10.3 kDa (92aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSQHWSYGLRPGGKRDAENLIDSFQEIVKEVGQLAETQRFECTTHQPRSPLRD  
LKGALSLIEEETGQKKI

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.