

Product information



GNRH1, 24-92aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2712

Full name: Progonadoliberin-1 isoform 2 preproprotein

NCBI Accession No.: NP_001076580

Synonyms: Gonadotropin-releasing hormone 1, GNRH, GRH, HH12, LHRH, LNRH

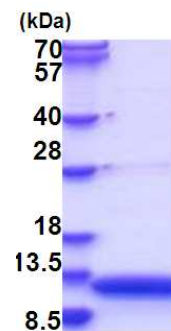
Description: GNRH1 is secreted and then cleaved to form the 10 aa luteinizing hormone-releasing hormone (LHRH, also known as gonadoliberin-1), and prolactin release-inhibiting factor (also known as GnRH-associated peptide 1). GNRH1 stimulates the release of luteinizing and follicle stimulating hormones, 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

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSQHWSYGL RPPGKRDAEN LIDSFQEIVK EVGQLAETQR FECTTHQPRS PLRDLKGALE SLIEEETGQK
KI

General references:

Hayflick J.S., Adelman J.P., *et al.* (1989) *Nucleic Acids Res.* 17:6403-6403

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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