

## Recombinant Rat GnRH1 protein, His & S-tagged

**Cat. No.** Gnrh1-7816R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat GnRH1 aa. (His25~Met92 (Accession # P07490)) fused with N-terminal His & S tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	His25~Met92
<b>Description</b>	Involved in induction of ovulation; may inhibit anterior pituitary cell apoptosis.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.7kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.6.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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°C for 48h,

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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°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[Gnrh1 gonadotropin releasing hormone 1 \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[Gnrh1](#)

**Synonyms**

Gnrh1; gonadotropin releasing hormone 1; Gnrh; Lhrh; SH-4; Gnrha; Rgnrhg1; progonadoliberin-1; Putative protein SH; gonadotropin-releasing hormone 1 (luteinizing-releasing hormone); luteinizing hormone-releasing hormone; progonadoliberin I

**Gene ID**

[25194](#)

**mRNA Refseq**

[NM\\_012767.2](#)

**Protein Refseq**

[NP\\_036899.1](#)

**UniProt ID**

[P07490](#)

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