

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

Cat. No. GnRH1-7815M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse GnRH1 aa. (Gln22~Met90 ((Accession # P13562)) fused with N-terminal His & S tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln22~Met90
<b>Description</b>	This gene encodes hypophysiotropic peptides belonging to the family of gonadotropin-releasing hormones that stimulate the release of gonadotropins and suppress secretion of prolactin from the pituitary gland. The encoded protein is proteolytically processed to generate two biologically active mature peptides. A deletional mutation encompassing the distal half of this gene in mice resulting in the loss of the encoded protein leads to hypogonadism and infertility. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.9kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 5.8.
<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, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Gnrh1 gonadotropin releasing hormone 1 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Gnrh1</a>
<b>Synonyms</b>	Gnrh1; gonadotropin releasing hormone 1; hpg; Gnrh; LHRH; Lnrh; Gnrh2; Lhrh1; progonadoliberin-1; gonadotropin releasing hormone 2; luteinizing hormone-releasing hormone I; progonadoliberin I
<b>Gene ID</b>	<a href="#">14714</a>
<b>mRNA Refseq</b>	<a href="#">NM_008145.3</a>
<b>Protein Refseq</b>	<a href="#">NP_032171.1</a>

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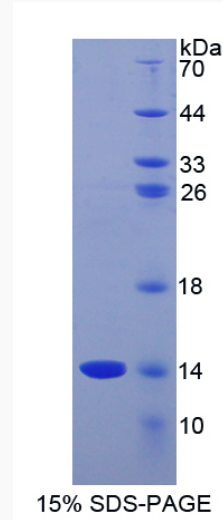
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UniProt ID

P13562

SDS-PAGE



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