

Recombinant Mouse GnRH1 Protein, MYC/DDK-tagged

Cat. No. GnRH1-1042M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse gonadotropin releasing hormone 1 (GnRH1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	10.8 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Gnrh1 gonadotropin releasing hormone 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Gnrh1](#)

Synonyms Gnrh1; gonadotropin releasing hormone 1; hpg; Gnrh; LHRH; Lnrh; Gnrh2; Lhrh1; progonadoliberin-1; gonadotropin releasing hormone 2; luteinizing hormone-releasing hormone I; progonadoliberin I

Gene ID [14714](#)

mRNA Refseq [NM_008145](#)

Protein Refseq [NP_032171](#)

UniProt ID [P13562](#)

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