

## Recombinant Human GNRH1 Protein

**Cat. No.** GNRH1-060H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human GNRH1 protein
<b>Species</b>	Human
<b>ProteinLength</b>	92
<b>Description</b>	This gene encodes a preproprotein that is proteolytically processed to generate a peptide that is a member of the gonadotropin-releasing hormone (GnRH) family of peptides. Alternative splicing results in multiple transcript variants, at least one of which is secreted and then cleaved to generate gonadoliberein-1 and GnRH-associated peptide 1. Gonadoliberein-1 stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. Mutations in this gene are associated with hypogonadotropic hypogonadism.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	1.182 kDa
<b>AA Sequence</b>	MKPIQKLLAGLILLTWCVEGCSSQHWSYGLRPGGKRDAENLIDSFQEIVKEVGQLAE TQRFECTTHQPRSPLRDLKGALESLEEETGQKKI
<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC

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<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	4°C
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution (reconst).
<b>Reconstitution</b>	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	GNRH1 gonadotropin releasing hormone 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GNRH1
<b>Synonyms</b>	GNRH1; gonadotropin releasing hormone 1; GRH; GNRH; LHRH; LNRH; progonadoliberin-1; GnRH-associated peptide 1; gonadotropin-releasing hormone 1 (luteinizing-releasing hormone); leuteinizing-releasing hormone; luliberin I; prolactin release-inhibiting factor
<b>Gene ID</b>	2796
<b>mRNA Refseq</b>	NM_000825
<b>Protein Refseq</b>	NP_000816

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<b>MIM</b>	152760
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<b>UniProt ID</b>	P01148
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