Recombinant Human GNRH1 Protein

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

SPECIFICATION

Product Overview	Recombinant human GNRH1 protein
Species	Human
ProteinLength	92
Description	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 gonadoliberin-1 and GnRH-associated peptide 1. Gonadoliberin-1 stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. Mutations in this gene are associated with hypogonadotropic hypogonadism.
Form	Lyophilized
Molecular Mass	1.182 kDa
AA Sequence	MKPIQKLLAGLILLTWCVEGCSSQHWSYGLRPGGKRDAENLIDSFQEIVKEVGQLAE TQRFECTTHQPRSPLRDLKGALESLIEEETGQKKI
Purity	> 98%
Applications	WB; ELISA; FACS; FC

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Stability	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.
Storage	4°C
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution (reconst).
Reconstitution	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

Gene Name	GNRH1 gonadotropin releasing hormone 1 [Homo sapiens (human)]
Official Symbol	GNRH1
Synonyms	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
Gene ID	2796
mRNA Refseq	NM_000825
Protein Refseq	NP_000816

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MIM	152760
UniProt ID	P01148

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