

Recombinant Human GNRH1 293 Cell Lysate

Cat. No. GNRH1-5839HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) (GNRH1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [GNRH1 gonadotropin-releasing hormone 1 \(luteinizing-releasing hormone\) \[Homo sapiens \]](#)

Official Symbol [GNRH1](#)

Synonyms [GNRH1](#); gonadotropin-releasing hormone 1 (luteinizing-releasing hormone); GNRH, gonadotropin releasing hormone 1 (leutinizing releasing hormone) , GRH, LHRH; progonadoliberin-1; luliberin I; progonadoliberin I; GnRH-associated peptide 1; prolactin release-inhibiting factor; gonadotropin-releasing hormone 1 (leutinizing-releasing hormone); GRH; GNRH; LHRH; LNRH;

Gene ID [2796](#)

mRNA Refseq [NM_000825](#)

Protein Refseq [NP_000816](#)

MIM [152760](#)

UniProt ID [P01148](#)

Chromosome Location 8p21-p11.2

Pathway [Class A/1 \(Rhodopsin-like receptors\), organism-specific biosystem](#); [G alpha \(q\) signalling events, organism-specific biosystem](#); [GPCR downstream signaling, organism-specific biosystem](#); [GPCR ligand binding, organism-specific biosystem](#);

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GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved biosystem; Hormone ligand-binding receptors, organism-specific biosystem;

Function

gonadotropin hormone-releasing hormone activity; hormone activity;

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