

Recombinant Human GNRH1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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 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)

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signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; 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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