

Luteinizing Hormone alpha subunit Reference standard

Cat. No. CGA-60H Lot. No. (See product label)

SPECIFICATION

Species

Human

Enzyme Unit

Each ampoule contains 10 International Units (by definition). (This unitage was assigned on the basis that the International Unit is represented by 1 microgram of the pure subunit preparation).

Usage

For practical purposes each ampoule contains the same amount of the same materials. Dissolve all the contents in a known amount of buffer solution. No attempt should be made to weigh portions of the freeze-dried powder. For economy of use the solution can be kept for several months if an anti-bacterial preservative is added and the solution is subdivided into several small containers, which are frozen rapidly to below -70°C and then stored below -30°C in the dark; repeated freezing and thawing should be avoided. If extensive dilutions are prepared, a carrier protein (0.1% w/v) should be added, which is free of peptidase. The material has not been sterilized and contains no bacteriostat.

Notes

This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. However, as with all preparations of human origin, this material cannot be assumed to be free from infectious agents. The container and its contents should be used and discarded according to your own laboratory procedures. Such procedures probably will include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening the container to avoid cuts.

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Storage

Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name

[CGA glycoprotein hormones, alpha polypeptide \[Homo sapiens \]](#);

Official Symbol

CGA

Synonyms

HCG; LHA; FSHA; GPHa; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; lutropin alpha chain; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alpha chain; luteinizing hormone alpha chain; chorionic gonadotrophin subunit alpha; thyroid-stimulating hormone alpha chain; follicle-stimulating hormone alpha chain; chorionic gonadotropin, alpha polypeptide; follicle-stimulating hormone alpha subunit; anterior pituitary glycoprotein hormones common subunit alpha

Gene ID

[1081](#)

mRNA Refseq

[NM_000735](#)

Protein Refseq

[NP_000726](#)

MIM

[118850](#)

UniProt ID

[P01215](#)

Chromosome Location

6q12-q21

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Pathway

Amine-derived hormones, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; GnRH signaling pathway, conserved biosystem

Function

hormone activity; protein binding

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