Luteinizing Hormone beta subunit Reference standard

Cat. No. LHB-61H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
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

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	aerosols. Care should be exercised in opening the container to avoid cuts.
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	LHB luteinizing hormone beta polypeptide [Homo sapiens];
Official Symbol	LHB
Synonyms	CGB4; hLHB; LSH-B; lutropin subunit beta; LSH-beta; lutropin beta chain; luteinizing hormone beta subunit; interstitial cell stimulating hormone, beta chain
Gene ID	3972
mRNA Refseq	NM_000894
Protein Refseq	NP_000885
MIM	152780
UniProt ID	P01229
Chromosome Location	19q13.32
Pathway	Androgen biosynthesis, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GnRH signaling pathway, conserved biosystem
Function	hormone activity; receptor binding

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