

Human Follicle Stimulating Hormone Reference standard

Cat. No. FSHB-40H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The reference standard for human, urinary Follicle-Stimulating hormone (FSH) and Luteinizing Hormone (LH) in ampoules, contains purified proteins of human, urinary origin for the value assignment of FSH and LH bioactivities in preparations of human, urinary origin by in vivo bioassay, only.
Species	Human
Enzyme Unit	Each ampoule contains 183 INTERNATIONAL UNITS of FSH bioactivity and 177 INTERNATIONAL UNITS of LH bioactivity.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For practical purposes, each ampoule contains the same quantity of material. The entire content of each ampoule should be completely dissolved in an accurately measured amount of buffer solution. The use of water to reconstitute ampoule contents is not recommended. The material has not been sterilized and the ampoules contain 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. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Care should be exercised in opening ampoules or vials, to avoid cuts.

Stability

They remain valid with the assigned potency and status until withdrawn or amended. Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference materials should be stored on receipt as indicated on the label. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

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

FSHB follicle stimulating hormone, beta polypeptide [Homo sapiens];

Official Symbol

FSHB

Synonyms

FSHB; follicle stimulating hormone, beta polypeptide; follitropin subunit beta; follicle stimulating hormone beta subunit; follitropin; beta chain; FSH-B; FSH-beta; follitropin beta chain; follitropin, beta chain; follicle-stimulating hormone beta subunit;

Gene ID

2488

mRNA Refseq

NM_000510

Protein Refseq

NP_000501

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MIM	136530
UniProt ID	P01225
Chromosome Location	11p13
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glycoprotein hormones, organism-specific biosystem; GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved biosystem;
Function	follicle-stimulating hormone activity; hormone activity; protein binding; protein heterodimerization activity;

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