

# Recombinant Human Follicle-Stimulating Hormone Reference standard

**Cat. No.** FSHB-28H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

The Standard for recombinant human FSH (rhFSH) in ampoules has been widely used for the calibration of preparations of recombinant DNA-derived human FSH by bioassay.

### Species

Human

### Enzyme Unit

Each ampoule contains 126 INTERNATIONAL UNITS.

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**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They remain valid with the assigned potency and status until withdrawn or amended.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

**MIM**

136530

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | P01225                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 11p13                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | follicle-stimulating hormone activity; hormone activity; protein binding; protein heterodimerization activity;                                                                                                                                                                                                                                                                                 |

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