

**Product:** Follicle Stimulating Hormone (FSH), human  
**Catalog #:** 12-4205  
**Amount:** 5 µg

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**DESCRIPTION:**

Human Follicle Stimulating Hormone (hFSH)  
hFSH is a glycoprotein produced from urine of post-menopausal women and having a total molecular mass of 35,500 Dalton.  
HuFSH is a heterodimeric hormone consisting of 165 amino acids  $\alpha$  chain (non-active) and 115 amino acids  $\beta$  chain (active).  
HuFSH induces maturation of Graafian follicles of the ovary promotes development of germinal cells in males and activates cytosolic tyrosine kinase.  
The HuFSH is purified by proprietary chromatographic techniques.

**SOURCE:**

Urine of postmenopausal women

**PURITY:**

> 98%, as determined by:  
(a) Analysis by RP-HPLC and Anion-exchange FPLC.  
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**PROTEIN CONTENT:**

Protein quantitation was carried out by 2 independent methods:  
- UV spectroscopy at 280 nm  
- Analysis by RP-HPLC, using a standard solution of hFSH as a Reference Standard

**CROSS REACTIVITY:**

Less than: 0.1% hCG, 0.5% TSH, 0.5% LH, 0.5% GH and 0.5% Prl.

**FORM:**

Purified, in 0.1 % BSA

**STORAGE:**

-20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:**

hFSH is biologically active compared to standard (IRP reference preparation 68/140).  
The activity was found to be 626IU/mg.

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