

**Product:** Follicle Stimulating Hormone (FSH), human, recombinant  
**Catalog #:** 12-4205R  
**Amount:** 25 IU

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**DESCRIPTION:** Recombinant human Follicle Stimulating Hormone (rHuFSH)  
rHuFSH is a glycoprotein having a total molecular mass of 30,000 Dalton.  
rHuFSH is a heterodimeric hormone consisting of 92 amino acids  $\alpha$  chain and 111 amino acids  $\beta$  chain.  
rHuFSH induces maturation of Graafian follicles of the ovary, promotes development of germinal cells in males and activates cytosolic tyrosine kinase.

**SOURCE:** *Chinese Hamster Ovary (CHO) Cells*

**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 rHuFSH 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 0.4mg sucrose 14.8 $\mu$ g dibasic sodium phosphate and 6.42 $\mu$ g monobasic sodium phosphate, containing 0.1 % BSA

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

**BIOLOGICAL ACTIVITY:** rHuFSH is biologically active compared to standard (IRP reference preparation 70/45).  
The activity was found to be 13,636 IU/mg.

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