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## Product Information

### Follicle Stimulating Hormone from human pituitary

Product Number **F 4021**

Storage Temperature -0 °C

#### Product Description

CAS Number: 9002-68-0

Molecular Weight: 35 kDa<sup>1</sup>

Synonym: FSH

FSH is a heterodimeric glycoprotein hormone composed of  $\alpha$  and  $\beta$  chains. The  $\alpha$  chain has 89 amino acids and the  $\beta$  chain has 115 amino acids. The  $\alpha$  chain is not active. The biological specificity is attributed to the  $\beta$  chain. FSH induces maturation of Graafian follicles of the ovary, promotes development of germinal cells in males, and activates cytosolic tyrosine kinase.

The product contains less than 2% lutenizing hormone and less than 1% each of thyroid stimulating hormone, growth hormone, prolactin, and ACTH.

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Storage/Stability

The product can be reconstituted with 1 ml of water or phosphate buffer. The vial (dry powder) contains 0.1 mg of salts from 50 mM phosphate buffer, pH 7.4.

When reconstituted, store at 2-8 °C for up to one month. The product should be kept sterile to limit bacterial growth, which will denature the protein.

#### References

1. Ryan, R.J., et al., Physical properties of human follicle-stimulating hormone. *Biochemistry*, **10(8)**, 1321-1330 (1971).

ALF/NSB 11/02

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