

# Recombinant Human FSH

(C-Flag, C-6His)

Catalog # EPT299

**Expression Host** Human Cells

**DESCRIPTION** Recombinant Human Follicle-Stimulating Hormone is

produced by our Mammalian expression system and

the target gene encoding

Ala25-Ser116&Asn19-Glu129 is expressed with a Flag

tag&6His at the C-terminus.

**Accession** P01215&P01225

**Synonyms** Follicle-stimulating hormone; FSH; FSH alpha/beta

**Mol Mass** 11.5&13.5 KDa

**AP Mol Mass** 20-30 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of PBS, pH

7.4.



+86-27-59760950 ELKbio@ELKbiotech.com

www.elkbiotech.com



#### RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## **SHIPPING**

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

### **STORAGE**

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

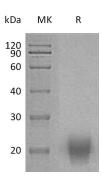
#### **BACKGROUND**

Human Follicle-stimulating hormone (FSH) is a member of glycoprotein hormones subunit beta family, which also includes LH, chorionic gonadotropin (CG) and thyroid-stimulating hormone (TSH). FSH and its family members are heterodimers consisting of non-covalently linked  $\alpha$ - and  $\beta$ -subunits. They share





an identical  $\alpha$ subunit, and  $\beta$ -subunits vary. FSH has a unique  $\beta$ -subunit (FSH $\beta$ ), which confers its specific biologic activityand is responsible for interaction with the FSH-receptor which belongs to a subfamily of GPCRs calledleucine-rich-repeat-containing GPCRs (LGRs). FSH is secreted from the pituitary gland and regulatesreproduction in mammals. FSH stimulates sertoli cell proliferation in testes and supports spermatogenesis inmales, and induces the maturation of ovarian follicles in females.



**SDS-PAGE** 

