

## 32-8695: Recombinant Human Follicle-Stimulating Hormone $\alpha$ / $\beta$ Dimer

**Gene :** CGA  
**Gene ID :** 1081  
**Uniprot ID :** P01215&P01225

### Description

Source: Human Cells.

MW :10.2&12.5kD.

Recombinant Human Follicle-Stimulating Hormone is produced by our Mammalian expression system and the target gene encoding Ala25-Ser116&Asn19-Glu129 is expressed. 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 activity and is responsible for interaction with the FSH-receptor which belongs to a subfamily of GPCRs called leucine-rich-repeat-containing GPCRs (LGRs). FSH is secreted from the pituitary gland and regulates reproduction in mammals. FSH stimulates Sertoli cell proliferation in testes and supports spermatogenesis in males, and induces the maturation of ovarian follicles in females.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4.

**Storage condition :** 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.

**Amino Acid :** APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAKSYNRVTVMGG  
FKVENHTACHCSTCYHKS&NSCELTNITIAIEKEECRFCSINTTWCAGYCYTRDLVYKDPARPKIQKTCTFKELV  
YETVRVPGCAHHADSLYTPVATQCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.