

RP02830

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# Recombinant Mouse FSH Beta Protein

Catalog No.: RP02830 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	14308	Q60687

### Tags

C-hFC

### Synonyms

FSH-beta; FSH-B; FSHB;  
Follitropin;FSH-β

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

Fertility is dependent on follicle-stimulating hormone (FSH), a product of gonadotrope cells of the anterior pituitary gland. Hypothalamic gonadotropin-releasing hormone (GnRH) and intra-pituitary activins are regarded as the primary drivers of FSH synthesis and secretion. Both stimulate expression of the FSH beta subunit gene (Fshb), although the underlying mechanisms of GnRH action are poorly described relative to those of the activins.

## Basic Information

### Description

Recombinant Mouse FSH Beta Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His20-Glu130) of mouse FSH Beta (Accession #NP\_032071.1) fused with a hFc tag at the C-terminus.

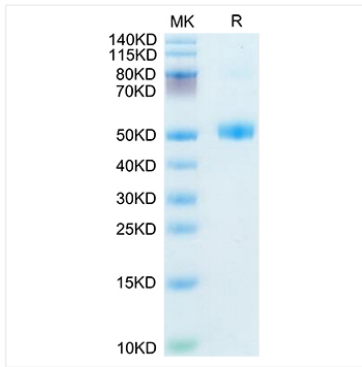
### Bio-Activity

### Storage

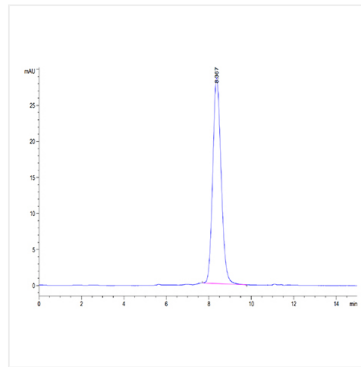
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse FSH Beta Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 50-60 kDa.



The purity of Mouse FSHB is greater than 95% as determined by SEC-HPLC.