

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

HEK293 cells

Purification

≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

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

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

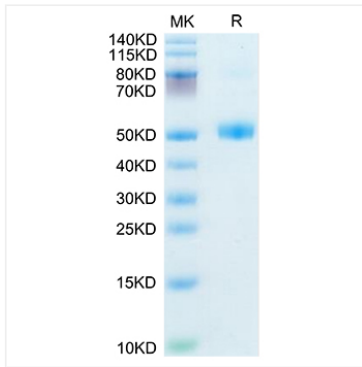
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

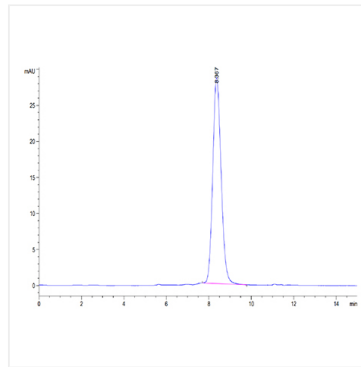
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Mouse FSH Beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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