

Recombinant Bovine FSH/CGA&FSHB Protein

Catalog No.: RP01935 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Bovine	281171/2807	P04837&P0149
	49	217

Tags

C-6His(FSHA)&No-Tag(FSHB)

Synonyms

Follitropin subunit beta; Follicle-stimulating hormone beta subunit; FSH-B; FSH-beta; Follitropin beta chain&Glycoprotein hormones alpha chain; Anterior pituitary glycoprotein hormones common subunit alpha; Follicle-stimulating hormone alpha chain; FSH-alpha; Follitropin alpha chain; Luteinizing hormone alpha chain; LSH-alpha; Lutropin alpha chain; Thyroid-stimulating hormone alpha chain; TSH-alpha; Thyrotropin alpha chain

Product Information

Source	Purification
CHO Cells	≥ 90 % as determined by SDS-PAGE; ≥ 90% as determined by HPLC.

Calculated MW Observed MW

15.22 kDa(FSHA) 15-40 kDa (R)
 □14.71 kDa(FSHB)□

Endotoxin

<0.5EU/μg of the protein by LAL method.

Formulation

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

Reconstitution

Centrifuge the vial 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.

Background

FSHB Together with the alpha chain CGA constitutes follitropin, the follicle-stimulating hormone, and provides its biological specificity to the hormone heterodimer. Binds FSHR, a G protein-coupled receptor, on target cells to activate downstream signaling pathways. Follitropin is involved in follicle development and spermatogenesis in reproductive organs.

Basic Information

Description

Recombinant Bovine FSH/CGA&FSHB Protein is produced by CHO Cells expression system.

Bio-Activity

Shipping

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

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.

Operational Notes

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

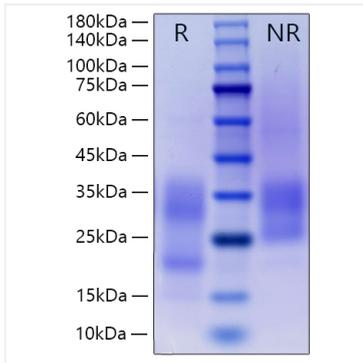
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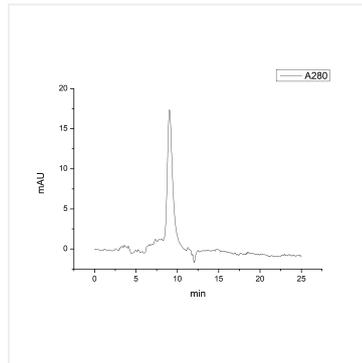
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Validation Data



Recombinant Bovine FSH/CGA&FSHB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Bovine FSH/CGA&FSHB Protein was greater than 90% as determined by SEC-HPLC.