

Recombinant Bovine FSH/CGA&FSHB Protein

Catalog No.: RP01935

Sequence Information

Species	Gene ID
Bovine	281171/280749
Swiss Prot	Tags
P04837&P01217	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

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

Contact

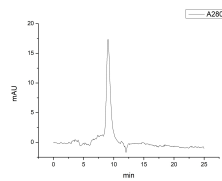
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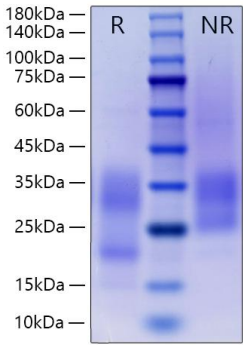
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pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Validation Data



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



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