

Recombinant Human Follicle Stimulating Hormone (FSH) (CGA&FSHB) Protein

Catalog No.: RP01695 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|-----------|------------------|
| Human | 1081&2488 | P01215 P01225 |

Tags

C-His(CGA)&No tag(SHB)

Synonyms

HCG; LHA; FSHA; GPA1; GPHA; TSHA; GPHA1; CG-ALPHA&HH24 CGA&FSHB Follicle Stimulating Hormone (FSH) CGA&FSHB

Product Information

| Source | Purification |
|--------------|--------------------|
| HEK293 cells | > 97% by SDS-PAGE. |

Endotoxin

<0.1EU/μg

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.

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Background

Follicle-stimulating hormone (FSH) is a gonadotrope-derived heterodimeric glycoprotein. FSH plays an essential role in processes involved in human reproduction, including spermatogenesis and the ovarian cycle. FSHB represents a conservative vertebrate gene with a unique function and it is located in a structurally stable gene-poor region. Polymorphisms in the follicle stimulating hormone beta subunit (FSHB) and follicle stimulating hormone receptor (FSHR) genes might disturb normal spermatogenesis and affect male reproductive ability. The FSHB -211G>T genotype is a key determinant in the regulation of gonadotropins in different reproductive-endocrine pathophysiology.

Basic Information

Description

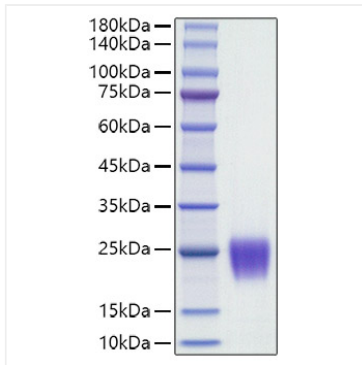
Recombinant Human Follicle Stimulating Hormone (FSH) CGA&FSHB Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 25-Ser116 Asn19-Glu129) of human Follicle Stimulating Hormone (FSH) CGA&FSHB (Accession #NP_000726.1 NP_000501.1) fused with and a 6×His tag at the C-terminus(CGA).

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



Recombinant Human Follicle Stimulating Hormone (FSH) [CGA&FSHB] Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-25 kDa.