

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

Catalog No.: RP01695

Sequence Information

Species	Gene ID
Human	1081&2488
Swiss Prot	Tags
P01215 & P01225	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	≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

11.03 (CGA) kDa, 20-25 kDa
12.49 (FSHB) kDa

Endotoxin

< 0.1 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 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

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).

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

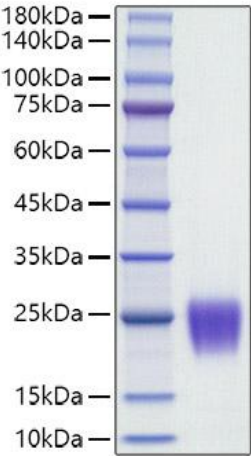
Operational Notes

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

Contact

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Validation Data



Recombinant Human Follicle Stimulating Hormone (FSH) (CGA&FSHB) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.