



Recombinant Protein Technical Manual

Recombinant Human Follitropin Subunit β /FSHB Protein (His Tag)

RPES4303

Product Data:

Product SKU: RPES4303

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: P01225

Protein Information:

Molecular Mass: 13.5 kDa

AP Molecular Mass: 21 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 μ m filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Follitropin Subunit Beta; Follicle-Stimulating Hormone Beta Subunit; FSH-B; FSH-Beta; Follitropin Beta Chain; FSHB

Immunogen Information:

Sequence: Asn19-Glu129

Background:

Follitropin Subunit β (FSHB) is a secreted protein that belongs to the glycoprotein hormones subunit β family. The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. FSHB exists in a heterodimer of a common α chain and an unique β chain that confers biological specificity to thyrotropin, lutropin, follitropin, and gonadotropin. FSHB stimulates development of follicle and spermatogenesis in the reproductive organs. Defects in FSHB are a cause of isolated follicle-stimulating hormone deficiency (IFSHD).