

Recombinant Human FSH-**b** protein (His tag)

Catalog Number:PDEH100120



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

| | |
|------------------------------------|---|
| Synonyms | Follitropin Subunit Beta;Follicle-Stimulating Hormone Beta Subunit;FSH-B;FSH-Beta;Follitropin Beta Chain;FSHB |
| Species | Human |
| Expression Host | E.coli |
| Sequence | Met1-Glu129 |
| Accession | P01225 |
| Calculated Molecular Weight | 14.1 kDa |
| Observed molecular weight | 28 kDa |
| Tag | C-His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | Please contact us for more information. |
| Storage | Generally, 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 sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

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).

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