Active Recombinant Human FSHB protein

Cat. No. FSHB-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This preparation of Recombinant hFSH is a glycosylated, whole molecule form of hFSH and it is reactive in a variety of antibody-based assay systems. It is produced in a mammalian cell line and purified by column chromatography. It is provided as a powder, lyophilized from ammonium bicarbonate, and protein content is determined using the Lowry Protein Assay (BSA standard).
Species	Human
Source	HEK293
Description	The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of an identical alpha subunit and a hormone-specific beta subunit. This gene encodes the beta subunit of follicle-stimulating hormone. In conjunction with luteinizing hormone, follicle-stimulating hormone induces egg and sperm production. Alternative splicing results in two transcript variants encoding the same protein.
Form	White powder, lyophilized from 50 mM ammonium bicarbonate.
Bio-activity	Report IU & mg protein per vial by Centaur CP & Lowry. Product is packaged by Centaur CP immunoassay value. Target values: 70 IU/vial, 350 IU/vial, 700 IU/vial, 7000 IU/vial
Purity	≥95%

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Usage	For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.
Storage	Product is shipped using a refrigerated gel packs (not temperature monitored). On arrival, store refrigerated at 2 centigrade to 8 centigrade short term (up to 2 weeks) or frozen below -15 centigrade. After reconstituting, store frozen in small aliquots. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend using the following buffer: 10 mM Sodium Phosphate, 150 mM Sodium Chloride, 1 mg/ml BSA, 0.1% Sodium Azide (optional), pH 7.4.
Warning	This product is not considered a biohazard. Handle using normal laboratory procedures.

GENE INFORMATION

Gene Name	FSHB follicle stimulating hormone subunit beta [Homo sapiens (human)]
Official Symbol	FSHB
Synonyms	HH24
Gene ID	2488
mRNA Refseq	NM_000510
Protein Refseq	NP_000501
MIM	136530
UniProt ID	P01225

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