

Recombinant Human FSHB Protein, His-tagged

Cat. No. FSHB-1527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FSHB Protein (Asn19-Glu129) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn19-Glu129
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.2 kDa Accurate Molecular Mass: 16 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FSHB follicle stimulating hormone, beta polypeptide [Homo sapiens (human)]
Official Symbol	FSHB
Synonyms	FSHB; follicle stimulating hormone, beta polypeptide; follitropin subunit beta; follicle stimulating hormone beta subunit; follitropin; beta chain; FSH-B; FSH-beta; follitropin beta chain; follitropin, beta chain; follicle-stimulating hormone beta subunit;
Gene ID	2488
mRNA Refseq	NM_000510
Protein Refseq	NP_000501
MIM	136530

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UniProt ID

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