

Native Human Follicle Stimulating Hormone, Beta Polypeptide

Cat. No. FSHB-672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human FSHB is a heterodimeric hormone consisting of a 92 amino acids alpha chain and a 111 amino acids beta chain.
Species	Human
Source	Urine
Description	Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human FSHB has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. Alternative splicing results in multiple transcript variants encoding the same protein.
Form	Lyophilized from a sterile filtered solution without additives
Molecular Weight	30 kDa
Purity	> 98.0% as determined by RP-HPLC and SDS-PAGE analyses
Endotoxin Level	< 0.1 ng/ug of protein
Reconstitution	Centrifuge vial prior to opening. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 ug/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer.

Pathways G alpha (s) signalling events; GPCR downstream signaling; GPCR ligand binding; Glycoprotein hormones; GnRH signaling pathway; Hormone ligand-binding receptors; Metabolism; Metabolism of amino acids and derivatives; Neuroactive ligand-receptor interaction; Peptide hormone biosynthesis; Signal Transduction

GENE INFORMATION

Gene Name FSHB follicle stimulating hormone, beta polypeptide [Homo sapiens]

Official Symbol FSHB

Synonyms FSHB; follicle stimulating hormone, beta polypeptide; follitropin subunit beta; FSH-B; FSH-beta; OTTHUMP- 00000232881; OTTHUMP00000232882; follitropin beta chain; follitropin, beta chain; follicle-stimulating hormone beta subunit; Follicle-stimulating hormone beta subunit; Follitropin beta chain

Gene ID 2488

mRNA Refseq NM_000510

Protein Refseq NP_000501

MIM 136530

UniProt ID P01225

Chromosome 11p13

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Location

Function

follicle-stimulatinghormone activity; hormone activity; protein binding; protein heterodimerizationactivity

PDBrendering based on 1b2y.

