

## Product datasheet for **TP726969**

### FSH beta (FSHB) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Follitropin Subunit Beta/FSHB (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asn19-Glu129
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Follicle-Stimulating Hormone Subunit beta is produced by our Mammalian expression system and the target gene encoding Asn19-Glu129 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2488
UniProt ID:	<a href="#">P01225</a>
Synonyms:	Follitropin Subunit Beta; Follicle-Stimulating Hormone Beta Subunit; FSH-B; FSH-Beta; Follitropin Beta Chain; FSHB
Summary:	Follitropin Subunit $\beta$ (FSHB) is a secreted protein that belongs to the glycoprotein hormones subunit $\beta$ 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 $\alpha$ chain and an unique $\beta$ 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).
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	GnRH signaling pathway, Neuroactive ligand-receptor interaction



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