

## FSH beta Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77940
Synonyms:	FSH-beta; FSH-B; FSHB; Follitropin
Species:	Mouse
Source:	HEK293
Accession:	Q60687 (H20-E130)
Gene ID:	14308
Molecular Weight:	50-60 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The FSH beta protein, in conjunction with the alpha chain CGA, forms follitropin, also known as follicle-stimulating hormone (FSH), conferring biological specificity to the hormone heterodimer. FSH beta binds to FSHR, a G protein-coupled receptor on target cells, initiating downstream signaling pathways. This hormone plays a pivotal role in follicle development and spermatogenesis within reproductive organs. Structurally, the active follitropin is a heterodimer comprised of an alpha chain/CGA, shared with other hormones, and a distinct beta chain/FSHB. The intricate assembly of FSH beta within the hormone heterodimer underscores its essential contribution to reproductive processes and hormonal signaling cascades.
------------	--

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA