

Bioactive

FSH (Human) Recombinant Protein

Catalog # P3610

Size 10 ug

Specification

Product Description	Human Follicle Stimulating Hormone partial recombinant protein expressed in CHO cells.
Sequence	APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAK SYNRVTVMGGFKVENHTACHCSTCYHKSNSCELTNITIAIEKEECRFCISINTTWCAGYCYTRDLVY KDPARPKIQKTCTFKELVYETVRVPGCAHHADSLYTPVATQCHCGKCDSDSTDCTVRGLGPSY CSFGEMKE
Host	Mammals
Theoretical MW (kDa)	30
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Activity was determined to be 1×10^4 IU/mg protein.
Storage Buffer	Lyophilized from buffer
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — FSHB

Entrez GeneID [2488](#)

Protein Accession# [P01225](#)

Gene Name FSHB

Gene Alias -

Gene Description follicle stimulating hormone, beta polypeptide

Omim ID [136530 229070](#)

Gene Ontology [Hyperlink](#)

Gene Summary The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of a non-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. [provided by RefSeq]

Other Designations follicle-stimulating hormone beta subunit|follicle-stimulating hormone, beta chain

Pathway

- [GnRH signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acne Vulgaris](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hirsutism](#)

- [Infertility](#)
- [Menstruation Disturbances](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)