

Active Recombinant Human Full Length FSH Protein, His tagged

Cat. No. FSH-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Follicle Stimulating Hormone (FSH) protein, including both alpha and beta subunits, with a C-terminal histidine tag in the beta subunit.
Species	Human
Source	CHO
ProteinLength	CGA: 1-116 aa FSHB: 1-129 aa
Description	Follicle stimulating hormone enables ovarian folliculogenesis to the antral follicle stage and is essential for Sertoli cell proliferation and maintenance of sperm quality in the testis. Members of the pituitary glycoprotein hormone family, of which FSH is one (see also luteinizing hormone, chorionic gonadotropin, and thyroid stimulating hormone), consist of a shared alpha chain and a beta chain encoded by a separate gene. The FSHB gene encodes the beta subunit of follicle stimulating hormone.
Form	Lyophilized from 50 mM Tris-HCl, 150 mM NaCl, pH 7.5
Bio-activity	≥ 3700 IU/mg (immunoassay)
Molecular Mass	24 kDa
Purity	≥ 90% (HPLC-SEC)

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Storage	2-8 centigrade
Shipping	Cold packs
Unit Definition	1 IU is defined as the amount of FSH that has an activity corresponding to 113.88 µg of pure human urinary FSH.
GENE INFORMATION	
Gene Name	CGA glycoprotein hormones, alpha polypeptide [Homo sapiens (human)]
Official Symbol	CGA
Synonyms	CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; chorionic gonadotropin; alpha polypeptide; follicle stimulating hormone alpha subunit; FSHA; GPHA; GPHA1; HCG; LHA; luteinizing hormone alpha chain; lutropin alpha chain; thyroid stimulating hormone alpha chain; TSHA; FSH-alpha; LSH-alpha; TSH-alpha; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alpha chain; chorionic gonadotrophin subunit alpha; thyroid-stimulating hormone alpha chain; follicle-stimulating hormone alpha chain; chorionic gonadotropin, alpha polypeptide; follicle-stimulating hormone alpha subunit; anterior pituitary glycoprotein hormones common subunit alpha; CG-ALPHA
Gene ID	1081
mRNA Refseq	NM_000735
Protein Refseq	NP_000726
MIM	118850

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UniProt ID	P01215
Gene Name 2	FSHB follicle stimulating hormone, beta polypeptide [Homo sapiens (human)]
Official Symbol 2	FSHB
Synonyms 2	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 2	2488
mRNA Refseq 2	NM_000510
Protein Refseq 2	NP_000501
MIM 2	136530
UniProt ID 2	P01225

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