



Human FSHB peptide (DAG373)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant HumanFSH-b is a glycoprotein having a total molecular weight of 30 kDa, was expressed in CHO cells. FSH is a heterodimeric hormone consisting of 92 amino acids alpha chain and 111 amino acids beta chain.
Antigen Description	Follicle-stimulating hormone (FSH) is a hormone found in humans and other animals. It is synthesized and secreted by gonadotrophs of the anterior pituitary gland. FSH regulates the development, growth, pubertal maturation, and reproductive processes of the body. FSH and Luteinizing hormone (LH) act synergistically in reproduction.
Species	Human
Conjugate	Unconjugated
Applications	Specific methodologies have not been tested using this product.
Format	Purified, Lyophilized. Reconstitute using sterile deionized water to a concentration $\geq 100 \mu\text{g/ml}$. Further dilutions can be made in other aqueous buffers.
Concentration	Total protein: 1 mg/ml (prior to lyophilization). Activity: lot specific IU/mg (IRP reference prep 70/45)
Buffer	Lyophilized from Sodium phosphate buffer containing sucrose
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	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
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the pituitary glycoprotein hormone family, of which FSH is one consist of a shared alpha chain and a beta chain encoded by a separate gene. The FSH beta gene encodes the beta subunit of follicle stimulating hormone.

Keywords	FSHB; follicle stimulating hormone, beta polypeptide; follitropin subunit beta; FSH-B; FSH-beta; follitropin beta chain; follitropin, beta chain; follicle-stimulating hormone beta subunit;
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GENE INFORMATION

Entrez Gene ID	2488
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UniProt ID	P01225
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