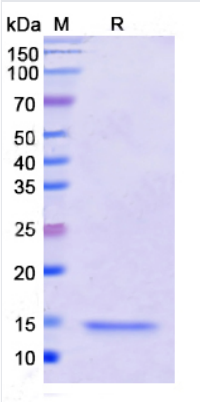
FSHB Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	FSHB, Recombinant Protein
Full Product Name	Recombinant Human FSHB, N-His
Product Gene Name	FSHB recombinant protein
Product Synonym Names	Follicle-stimulating hormone beta subunit; Follitropin beta chain; FSH-beta; FSH-B; FSHB; Follitropin subunit beta
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	14,700 Da
Sequence Positions	Asn19-Glu129
Chromosome Location	Chromosome: 11; NC_000011.9 (30252563..30256824). Location: 11p13
OMIM	136530
3D Structure	ModBase 3D Structure for P01225
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for FSHB recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for FSHB recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for FSHB recombinant protein	MBS1572835 is a recombinant protein targeting FSHB. Also known as Recombinant Human FSHB, N-His. Host: E coli.
Other Notes	Small volumes of FSHB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of FSHB recombinant protein
SDS PAGE for recombinant Human FSHB protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FSHB. It may not necessarily be applicable to this product.

NCBI GI #	182762
NCBI GeneID	2488
NCBI Accession #	AAA52476.1
UniProt Primary Accession #	P01225
UniProt Secondary Accession #	Q14D61; A2TF08; A5JVV3
UniProt Related Accession #	P01225
NCBI Official Full Name	follicle-stimulating hormone
NCBI Official Synonym Full Names	follicle stimulating hormone, beta polypeptide
NCBI Official Symbol	FSHB
UniProt Protein Name	Follitropin subunit beta
UniProt Synonym Protein Names	Follicle-stimulating hormone beta subunit; FSH-B; FSH-beta; Follitropin beta chain
Protein Family	Follitropin
UniProt Gene Name	FSHB
UniProt Synonym Gene Names	FSH-B; FSH-beta
UniProt Entry Name	FSHB_HUMAN
NCBI Protein Information	follitropin subunit beta; FSH-B; FSH-beta; follitropin beta chain; follitropin, beta chain; follicle-stimulating hormone beta subunit
NCBI Summary for FSHB	The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of an 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, Jul 2008]

UniProt Comments for FSHB	FSHB: Stimulates development of follicle and spermatogenesis in the reproductive organs. Defects in FSHB are a cause of isolated follicle- stimulating hormone deficiency (IFSHD). Selective follicle-stimulating hormone deficiency is an uncommon cause of infertility, producing amenorrhea and hypogonadism in women and oligo or azoospermia with normal testosterone levels in normally virilised men. Belongs to the glycoprotein hormones subunit beta family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 11p13 Cellular Component: cytoplasm; extracellular region Molecular Function: follicle-stimulating hormone activity; protein binding; hormone activity Biological Process: progesterone biosynthetic process; follicle-stimulating hormone signaling pathway; peptide hormone processing; female gamete generation; Sertoli cell proliferation; female pregnancy; signal transduction; regulation of osteoclast differentiation; cellular protein metabolic process; transforming growth factor beta receptor signaling pathway; positive regulation of cell proliferation; positive regulation of bone resorption; positive regulation of transcription from RNA polymerase II promoter; positive regulation of cell migration Disease: Follicle-stimulating Hormone Deficiency, Isolated
Research Articles on FSHB	**1.** Data indicate that neither serum inhibin B nor follicle-stimulating hormone (FSH) is a suitable surrogate for determination of sperm concentration in a semen sample.
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