

Follicle Stimulating Hormone Active Protein | FSH active protein

Recombinant Human Follicle Stimulating Hormone

CATALOG # AAA38350	HOST HEK293
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PRODUCT SYNONYMS

Follicle Stimulating Hormone; Recombinant Human Follicle Stimulating Hormone; FSH Human; Follicle Stimulating Hormone Human Recombinant; Follitropin subunit beta; Follicle-stimulating hormone beta subunit; FSH-beta; FSH-B; Follitropin beta chain; FSH; FSH active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The recombinant FSH was lyophilized from 0.2um filtered solution containing PBS, pH 7.4.
Sequence	FSHsubunit alpha:APDV QDCPECTLQE NPFFSQPGAP ILQCMGCCFS RAYPTPLRSK KTMLVQKNVT SESTCCVAKS YNRVTVMGGF KVENHTACHC STCYHKS.< br>FSHsubunit beta:NS CELTNITIAI EKEECRFCIS INTWCAGYC YTRDLVYKDP ARPKIQTCT FKELVYETVR VPGCAHHADS LYTPVATQC HCGKCDSDST DCTVRGLGPS YCSFGEMKE
Sequence Length	129
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Follicle Stimulating Hormone in sterile 18M ² -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by cAMP accumulation in human FSH Receptor transfected Chinese Hamster Ovary cells was found to be 80-450 pg/ml.
Preparation and Storage	Lyophilized FSH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FSH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FSH active protein	FSH Human Recombinant produced in HEK-293 cells is heterodimeric, glycosylated, polypeptide chain transfected with two expression plasmids encoding the human FSH-alpha chain (Accession # P01215) (Met1-Ser116) and human FSH-beta chain(Accession # P01225) (Met1-Glu129) having a total Mw of 38kDa. FSH human recombinant is purified by proprietary chromatographic techniques.
Product Categories/Family for FSH active protein	Hormones ; Hormones ; FSH

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503791
NCBI GeneID	2488
NCBI Accession #	NP_000501.1
NCBI GenBank Nucleotide #	NM_000510.2
UniProt Accession #	P01225 ; Q14D61 ; A2TF08 ; A5JVV3

NCBI Official Full Name	follitropin subunit beta
NCBI Official Synonym Full Names	follicle stimulating hormone, beta polypeptide
NCBI Official Symbol	FSHB
NCBI Protein Information	follitropin subunit beta; FSH-B; FSH-beta; follicle-stimulating hormone beta subunit; follitropin beta chain; follitropin, beta chain
UniProt Protein Name	Follitropin subunit beta
UniProt Gene Name	FSHB
UniProt Synonym Gene Names	FSH-B; FSH-beta
UniProt Entry Name	FSHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hek293-fsh-active-protein/follicle-stimulating-hormone/38350>