

Human FSH Recombinant Protein



RPPB1274

Product Information Protein Information

Product SKU:

RPPB1274

Accession:

P01225

Host:

HEK293

Protein description:

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) (Ala25-Ser116) and human FSH-beta chain (Asn19-Glu129) (Accession # P01225) having a total Mw of 38kDa. FSH human recombinant is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Follitropin subunit beta, Follicle-stimulating hormone beta subunit, FSH-beta, FSH-B, Follitropin beta chain, FSH.

Formulation:

The recombinant FSH was lyophilized from 0.2µm filtered solution containing PBS, pH 7.4.

Purity:

Greater than 95% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Follicle Stimulating Hormone in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized recombinant 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.

Amino Acid Sequence:

FSH subunit alpha:
APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAKSYNRVTVMGGFK
VENHTACHCSTCYHKS. FSH subunit beta:
NSCELTNITIAIEKEECRFCSINTTWCAGYCYTRDLVYKDPARPKIQKTCTFKELVYETVRVPGCAHHADSLYTPVAT
QCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE.

Biological Activity:

The ED₅₀ as determined by cAMP accumulation in human FSH Receptor transfected Chinese Hamster Ovary cells was found to be 80-450 pg/ml.