

Follicle Stimulating Hormone Human Recombinant

Item Number	rAP-2523
Synonyms	Follitropin subunit beta, Follicle-stimulating hormone beta subunit, FSH-beta, FSH-B, Follitropin beta chain, FSH.
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
Uniprot Accession Number	P01225
Amino Acid Sequence	FSH subunit alpha: APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNV-TSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKS. FSH subunit beta: NSCELTNITIAIEKEECRF-CISINTTWCAGYCYTRDLVYKDPARPKIQKTCTFKELVYETVRVPGCAHHADSLYTPVATQCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE.
Source	HEK293
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The recombinant FSH was lyophilized from a concentrated (1mg/ml) solution containing PBS. Greater than 95% as determined by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**