Human FSH alpha&beta Protein

Cat. No. FSH-HM1AB

Description

Source	Recombinant Human FSH alpha&beta Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ala25-Ser116 (FSH alpha) & Asn19-Glu129 (FSH beta).
Accession	P01215(FSH alpha)&P01225 (FSH beta)
Molecular Weight	The protein has a predicted MW of 10.20 kDa (FSH alpha) and 39.2 kDa (FSH beta). Due to glycosylation, the protein migrates to 25-30 kDa (FSH alpha) and 50-60 kDa (FSH beta) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

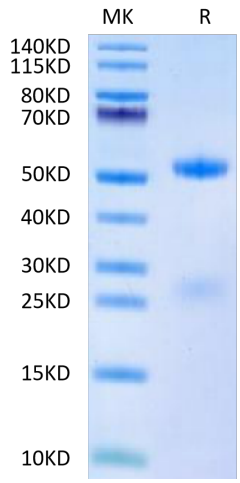
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

FSH (Follicle-stimulating hormone) is a gonadotropin, a glycoprotein polypeptide hormone. It has a functionally indispensable 96 amino acid α subunit that is common to LH, TSH and hCG, in addition to a structurally unique β subunit. FSH is synthesized and secreted by the gonadotropic cells of the anterior pituitary gland and regulates the development, growth, pubertal maturation, and reproductive processes of the body.

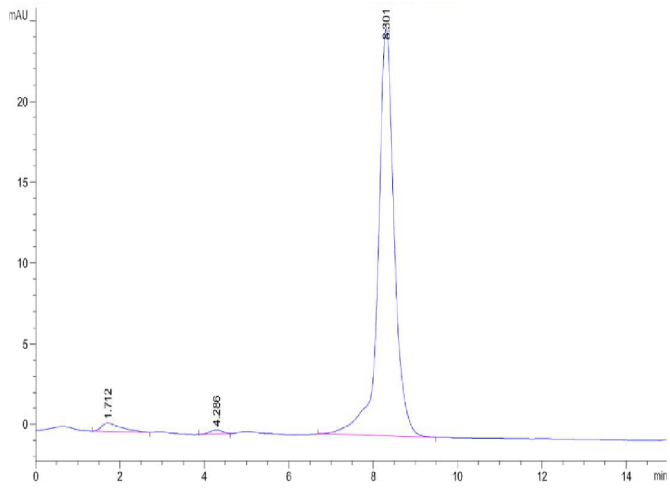
Assay Data

Tris-Bis PAGE



Human FSH alpha&beta on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human FSH alpha&beta is greater than 95% as determined by SEC-HPLC.