

Human FSH alpha&beta Protein

Cat. No. FSH-HM4AB

Description

Source	Recombinant Human FSH alpha&beta Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ala25-Ser116 (FSH alpha) and 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 13.58 kDa (FSH beta). Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

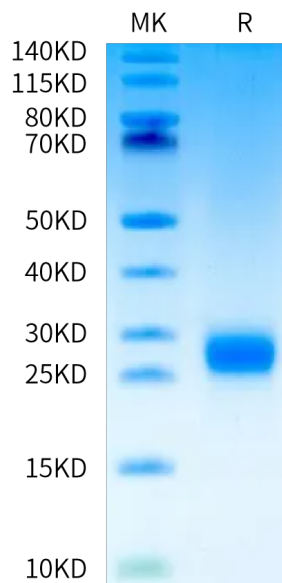
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. 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

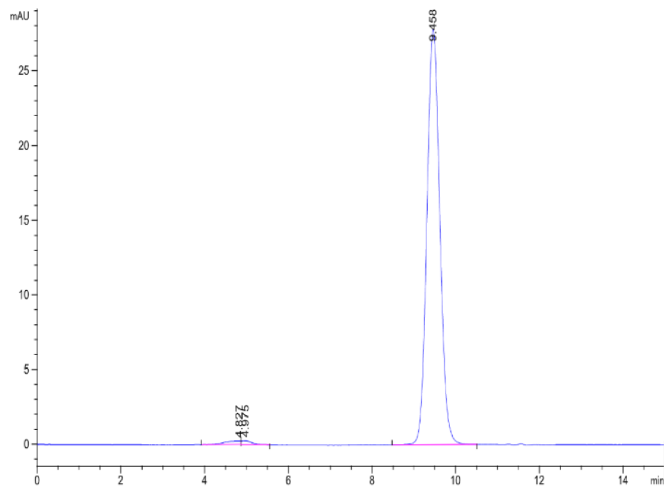
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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