Mouse FSH alpha&beta Protein

Cat. No. FSH-MM1AB

Description

Source	Recombinant Mouse FSH alpha&beta Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Leu25-Ser120 (FSH alpha) and His20-Glu130 (FSH beta).
Accession	P01216(FSH alpha)&Q60687(FSH beta)
Molecular Weight	The protein has a predicted MW of 12.28 kDa (FSH alpha) and 13.67 kDa (FSH beta). Due to glycosylation, the protein migrates to 26-36 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 months 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

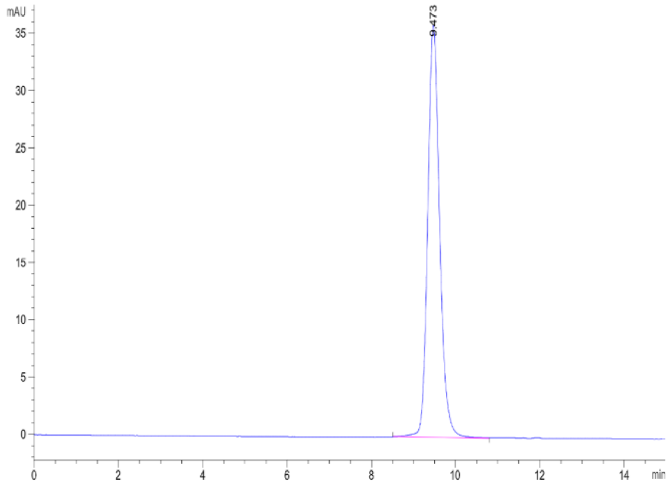
Mouse FSH alpha&beta on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse FSH alpha&beta Protein

Cat. No. FSH-MM1AB

Assay Data



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