

Datasheet for ABIN7274687

FSHB Protein (AA 19-129) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	FSHB
Protein Characteristics:	AA 19-129
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FSHB protein is labelled with Fc Tag.

Product Details

Purpose:	Human FSHB Protein
Sequence:	Asn19-Glu129
Characteristics:	Recombinant Human FSHB Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asn19-Glu129.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	FSHB
Alternative Name:	FSHB (FSHB Products)

Target Details

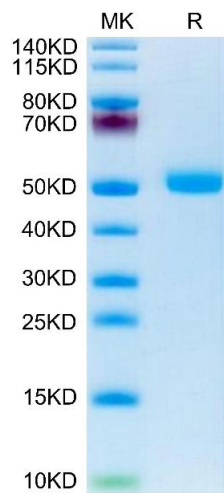
Background:	Fertility is dependent on follicle-stimulating hormone (FSH), a product of gonadotrope cells of the anterior pituitary gland. Hypothalamic gonadotropin-releasing hormone (GnRH) and intra-pituitary activins are regarded as the primary drivers of FSH synthesis and secretion. Both stimulate expression of the FSH beta subunit gene (Fshb), although the underlying mechanisms of GnRH action are poorly described relative to those of the activins.
Molecular Weight:	39.2 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	P01225
Pathways:	Peptide Hormone Metabolism , Hormone Activity , C21-Steroid Hormone Metabolic Process

Application Details

Restrictions:	For Research Use only
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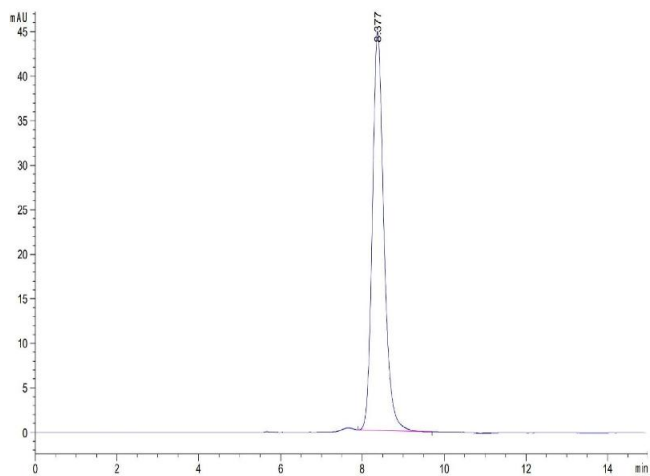
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human FSHB on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human FSHB is greater than 95 % as determined by SEC-HPLC.