

Datasheet for ABIN7274691

FSTL3 Protein (AA 27-263) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FSTL3
Protein Characteristics:	AA 27-263
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FSTL3 protein is labelled with His tag.

Product Details

Purpose:	Human FSTL3 Protein
Sequence:	Met27-Val263
Characteristics:	Recombinant Human FSTL3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Met27-Val263.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human FSTL3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FSTL3 Antibody, hFc Tag with the EC50 of 27.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	FSTL3
Alternative Name:	FSTL3 (FSTL3 Products)
Background:	Follistatin-like 3 (FSTL3) is a novel cytokine that regulates insulin sensitivity and counteracts activin/myostatin signalling. In the present study, regulation of FSTL3 in renal dysfunction was investigated in both human chronic kidney disease (CKD) and acute kidney dysfunction (AKD). Furthermore, mFSTL3 expression was analysed in insulin-sensitive tissues in a mouse model of CKD.
Molecular Weight:	26.1 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.

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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human FSTL3 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 2. Human FSTL3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

Image 3. Immobilized Human FSTL3, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-FSTL3 Antibody, hFc Tag with the EC50 of 27.5 ng/mL determined by ELISA.

