

## General Information

### Protein Construction

A DNA sequence encoding the human FST (NP\_037541.1) (Met1-Asp329) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED<sub>50</sub> for this effect is typically 5-40ng/mL.

### Purity

> 85 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gly 30

## Molecular Mass

The recombinant human FST consists 311 amino acids and predicts a molecular mass of 34.4 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

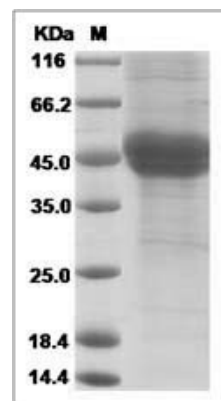
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human Follistatin / FST Protein (His Tag)