

## General Information

### Protein Construction

A DNA sequence encoding the human FST isoform FST288 (P19883-2) (Met 1-Asn 317) was fused 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 0.2-1 µg/mL in the presence of 10 ng/ml Recombinant Human Activin A.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the 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 secreted recombinant human FST (FS288) consists of 299 amino acids and has a predicted molecular mass of 33 kDa. As a result of glycosylation, rhFST (FS288) migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.

### 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

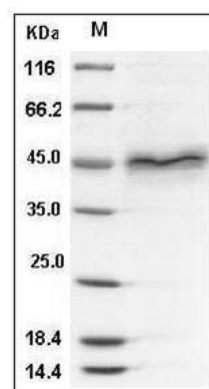
### Storage

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 (FS288) Protein (His Tag)  
SDS-PAGE