

## General Information

### Gene Name Synonym

Activin-binding protein

### Protein Construction

A DNA sequence encoding the mouse FST (P47931) (Met 1-Trp 344) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### 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 0.02-0.08 µg/mL in the presence of 10 ng/ml Recombinant Human Activin A.

### Purity

> 98 % 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 recombinant mouse FST comprises 326 amino acids and has a predicted molecular mass of 36.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFST is approximately 70-80 kDa due to glycosylation.

### 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

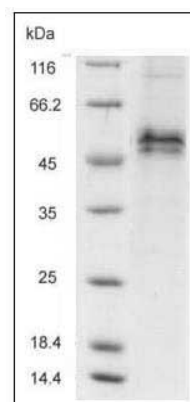
### Storage

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



Mouse Follistatin / FST Protein (His Tag) SDS-PAGE