

# **Recombinant Mouse Follistatin/FST Protein**

Catalog No.: RP01047 Recombinant

### **Sequence Information**

**Species Gene ID Swiss Prot** Mouse 14313 P47931-1

#### **Tags**

C-His

### **Synonyms**

AL033346;FS;Fst

### **Product Information**

**Source** Purification HEK293 cells ≥ 90 % as

≥ 90 % as determined by SDS-

PAGE.

### Calculated MW Observed MW

38.70 kDa 45-50 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Contact

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## **Background**

### **Basic Information**

#### **Description**

Recombinant Mouse Follistatin/FST Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met1-Trp344) of mouse Follistatin (Accession #NP\_001288302.1) fused with a 10×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized recombinant Human Inhibin beta A at 0.5  $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant Mouse FST, the EC<sub>50</sub> of Mouse FST is 32.95 ng/mL.

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

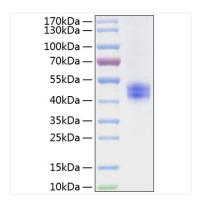
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

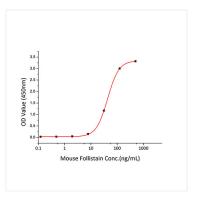
### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Mouse Follistatin/FST Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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