

# Recombinant Human Follistatin/Follistatin 288/FST Protein

Catalog No.: RP00376 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 10468 P19883

**Tags** N-hFC

**Synonyms** FST;FS

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

54.19 kDa 95-140 kDa

#### Endotoxin

 $< 0.01 \; \text{EU/}\mu\text{g}$  of the protein by LAL method

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

## Reconstitution

Centrifuge the tube 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**

Follistatin is a single-chain gonadal protein that specifically inhibits follicle-stimulating hormone release. The single FST gene encodes two isoforms, FST317 and FST344 containing 317 and 344 amino acids respectively, resulting from alternative splicing of the precursor mRNA. In a study in which 37 candidate genes were tested for linkage and association with polycystic ovary syndrome (PCOS) or hyperandrogenemia in 150 families, evidence was found for linkage between PCOS and follistatin.

#### **Basic Information**

#### **Description**

Recombinant Human Follistatin/Follistatin 288/FST Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly30-Asn317) of human Follistatin/Follistatin 288/FST (Accession #P19883) with a hFC at the N-terminus..

#### **Bio-Activity**

Measured by its ability to neutralize Activin-mediated erythroid differentiation of K562 human chronic myelogenous leukemia cells. The ED $_{50}$  for this effect is 0.1-0.4  $\mu$ g/mL in the presence of 7.5 ng/mL of rhActivin A.

### 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.

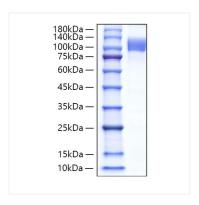
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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 Human Follistatin/Follistatin 288/FST Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.