

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	> 97% by SDS-PAGE.

Endotoxin

< 0.01 EU/μg 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

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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 ED₅₀ for this effect is 0.1-0.4 μg/mL in the presence of 7.5 ng/mL of rhActivin A.

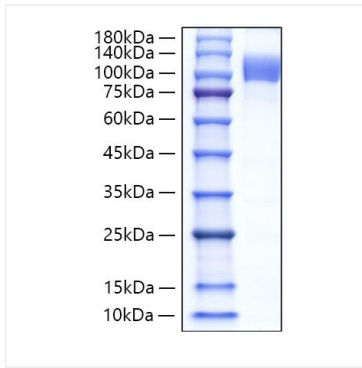
Storage

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.

Validation Data



Recombinant Human Follistatin/Follistatin 288/FST Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 95-140 kDa.