Recombinant Human Follistatin/Follistatin 288 /FST Protein

Catalog No.: RP00376

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Sequence Information

Species
Human

Gene ID
10468

Swiss Prot
P19883

Tags
N-hFC

Synonyms
FST,FS

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
54.19 kDa

Observed MW
95-140 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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..

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 μg/mL in the presence of 7.5 ng/mL of rhActivin A.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

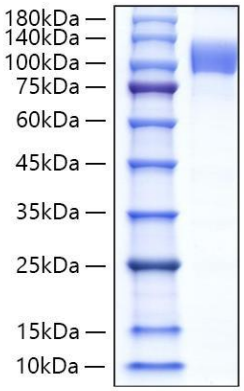
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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