

General Information

Protein Construction

A DNA sequence encoding the human FST isoform FST344 (NP_037541.1) (Met 1-Trp 344) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind human INHBAhis in a functional ELISA.
2. Measured by its ability to bind mouse INHBAhis in a functional ELISA.
3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED₅₀ for this effect is typically 0.5-3 µg/mL in the presence of 10 ng/ml Recombinant Human ctivin A.

Purity

> 85 % 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 secreted recombinant human FST/Fc is a disulfide-linked homodimer. The reduced monomer consists of 556 amino acids and has a predicted molecular mass of 61.7 kDa. As a result of glycosylation, rh FST/Fc monomer migrates as an approximately 70 kDa band in SDS-PAGE under reducing conditions.

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

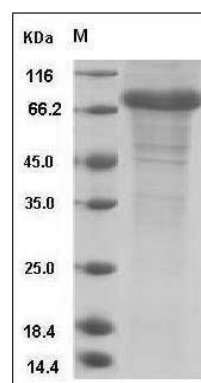
Storage

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



Human Follistatin / FST Protein (Fc Tag) SDS-PAGE