

Recombinant Mouse FST protein(Met1-Asn317), hFc-tagged

Cat. No. FST-2333M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FST (P47931) (Met 1-Asn 317) was expressed in CHO with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	CHO
ProteinLength	Met1-Asn317
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 40-200 ng/mL in the presence of 10 ng/mL rhActivin A.
Molecular Mass	The recombinant mouse FST comprises 528 amino acids and has a predicted molecular mass of 58.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 66 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Fst follistatin [*Mus musculus*]

Official Symbol FST

Synonyms FST; follistatin; FS; activin-binding protein; AL033346;

Gene ID 14313

mRNA Refseq NM_008046

Protein Refseq NP_032072

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