

Active Recombinant Mouse Fst protein, His-tagged

Cat. No. Fst-6938M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fst protein(P47931)(Met1-Trp344), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-344 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation.The ED50 for this effect is typically 0.02-0.08 µg/mL in the presence of 10 ng/ml Recombinant Human Activin A.
Molecular Mass	The recombinant mouse FST comprises 326 amino acids and has a predicted molecular mass of 36.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFST is approximately 70-80 kDa due to glycosylation.
Proteinlength	Met1-Trp344
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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 [<i>Mus musculus</i>]
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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