

Active Recombinant Human FST protein, hFc-tagged

Cat. No. FST-3848H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FST protein(NP_037541.1) (Met 1-Trp 344) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-344 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its ability to bind human INHBA-his in a functional ELISA. 2. Measured by its ability to bind mouse INHBA-his 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.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 [Homo sapiens]

Official Symbol FST

Synonyms FST; follistatin; FS; activin-binding protein; follistatin isoform FST317;

Gene ID 10468

mRNA Refseq NM_006350

Protein Refseq NP_006341

MIM 136470

UniProt ID P19883

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