

## Active Recombinant Human FST protein, hFc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-344 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 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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