

# Human FST Recombinant Protein



RPPB0263

---

## Product Information    Protein Information

**Product SKU:**

RPPB0263

**Accession:**

P19883

**Host:**

Escherichia Coli.

**Protein description:**

Follistatin Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids and having a total molecular mass of 31.5kDa. The FST is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

FST, FS

**Formulation:**

Lyophilized from a concentrated (1mg/ml) solution containing no additives.

**Purity:**

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Follistatin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Follistatin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FST should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Asn-Cys-Trp-Leu.

**Biological Activity:**

The activity is determined by the ability to neutralize ACTV inhibitory effect of mouse MPC-11 cells. The expected ED<sub>50</sub> is 100-400ng/ml, corresponding to a Specific Activity of 2,500-10,000units/mg in the presence of 7.5ng/ml ACTV A.