

## 32-1212: mFST Recombinant Protein

**Alternative Name :** Follistatin,FST,FS,Activin-binding protein,AL033346.

### Description

Source : Escherichia Coli. Follistatin Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 289 amino acids and having a total molecular mass of 31.6kDa.The FST is purified by proprietary chromatographic techniques. Follistatin is a single-chain gonadal protein that specifically inhibits follicle-stimulating hormone release. The single FST gene encodes two isoforms, FST317 and FST344 containing 317 and 344 amino acids respectively, resulting from alternative splicing of the precursor mRNA. In a study in which 37 candidate genes were tested for linkage and association with polycystic ovary syndrome (PCOS) or hyperandrogenemia in 150 families, evidence was found for linkage between PCOS and follistatin. Follistatin binds directly to activin and functions as an activin antagonist. specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (fsh).

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The Mouse Follistatin is lyophilized from 10mM Na <sub>2</sub> PO <sub>4</sub> and 50mM NaCl, pH 7.5.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGNCWLRQAK NGRCQVLTKT ELSKEECST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRVCV APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNMAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DS.

### Application Note

It is recommended to reconstitute the lyophilized Follistatin in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub>, determined by the dose-dependent neutralization of 7.5ng/ml human Activin-A on MCP-11 cells, is 0.13-0.19 $\Omega$ µg/ml.

