

## 32-12076: Mouse Follistatin

**Gene :** Fst  
**Gene ID :** 14313  
**Uniprot ID :** P47931  
**Alternative Name :** Activin-binding protein, FSH-suppressing protein (FSP), FS

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 31.6 kDa (289 aa)

Mouse Follistatin is an autocrine, activin-binding protein that is ubiquitously expressed with highest expression levels being in the ovary and skin. Mouse Follistatin negatively regulates the signaling of transforming growth factor beta (TGF-beta ) family members, such as activin, bone morphogenetic proteins (BMPs), myostatin, growth differentiation factor 11 (GDF-11), and TGF-beta 1. Mouse Follistatin functions as an antagonist by binding TGF-beta family members to block interaction with their signaling receptors. Mouse Follistatin also inhibits the secretion of follicle-stimulating hormone (FSH) from the anterior pituitary.

### Product Info

**Amount :** 20 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 90%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MGNCWLRQAK NGRCQVLYKT ELSKEECCST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC  
IPCKETCENV DCGPGKRCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV  
QYQGKCKKTC RDVFCPGSST CVVDQTNNAI CVTCNRICPE PSSSEQYLCA NDGVTYSSAC HLRKATCLLG  
RSIGLAYEGK CIKAKSCEDI QCGGGKCLW DSKVGRGRCS LCDELCPDSK SDEPVCASDN ATYASECAMK  
EAACSSGVLL EVKHSGSCN

### Application Note

**Endotoxin:** Less than 0.5 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



