

32-12075: Human Follistatin

Gene : FST
Gene ID : 10468
Uniprot ID : P19883
Alternative Name : Activin-binding protein, FSH-suppressing protein (FSP), FS

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 31.7 kDa (289 aa)

Follistatin is an autocrine, activin-binding protein that is ubiquitously expressed with highest expression levels being in the ovary and skin. 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. Follistatin functions as an antagonist by binding TGF-beta family members to block interaction with their signaling receptors. 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 >= 95%
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 : MGNCWLRQAKÂ NGRCQVLYKTÂ ELSKEECCSTÂ GRLSTSWTEEÂ DVNDNTLFKWÂ MIFNGGAPNCÂ IPC KETCENVÂ DCGPGKRCRMNKNKPRVCÂ APDCSNITWKÂ GPVCGLDGKTÂ YRNECALLKAÂ RCKEQPEL EVÂ QYQGRCKKTCÂ RDVFCPGSSTÂ CVVDQTNAYÂ CVTCNRICPEPASSEQYLCGÂ NDGVTYSSACÂ H LRKATCLLGÂ RSIGLAYEGKÂ CIKAKSCEDIÂ QCTGGKKCLWÂ DFKVGRGRCSÂ LCDELCPDSKÂ SDEPVC ASDNATYASECAMKÂ EAACSSGVLLÂ EVKHSGSCNÂ

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by Neutralization of Human Activin A induced cytotoxicity of MPC-11 cells at <= 200 ng/mL; >= 5.0 x 10³ units/mg. 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.



