Recombinant Mouse FST Protein

Cat. No. FST-102M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FST Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	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-β) family members, such as activin, bone morphogenetic proteins (BMPs), myostatin, growth differentiation factor 11 (GDF-11), and TGF-β1. Follistatin functions as an antagonist by binding TGF-β family members to block interaction with their signaling receptors. Follistatin also inhibits the secretion of follicle-stimulating hormone (FSH) from the anterior pituitary.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 31.6 kDa (289 aa)
AA Sequence	MGNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDVNDNTLFKWMIFNG GAPNCIPCKETCENVDCGPGKKCRMNKKNKPRCVCAPDCSNITWKGPVCGLDGKT YRNECALLKARCKEQPELEVQYQGKCKKTCRDVFCPGSSTCVVDQTNNAYCVTCN RICPEPSSSEQYLCGNDGVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQC GGGKKCLWDSKVGRGRCSLCDELCPDSKSDEPVCASDNATYASECAMKEAACSS GVLLEVKHSGSCN

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Endotoxin	≤5 EUs/μg, Kinetic LAL
Purity	≥90%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	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 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Fst follistatin [Mus musculus (house mouse)]
Official Symbol	FST
Synonyms	FST; follistatin; FS; activin-binding protein; AL033346;
Gene ID	14313

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mRNA Refseq	NM_008046
Protein Refseq	NP_032072
UniProt ID	P47931

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