

Recombinant Human FST protein

Cat. No. FST-611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FST protein was expressed in E.coli
Species	Human
Source	E.coli
ProteinLength	288
Description	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.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.5, 150 mM NaCl.
Molecular Mass	Approximately 31.5 kDa, a single non-glycosylated polypeptide chain containing 288 amino acids.
AA Sequence	GNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDVNDNTLFKWMIFNGG APNCIPCKETCENVDCGPGKKCRMNKKNKPRCVCAPDCSNITWKGPVCGLDGKTY RNECALLKARCKEQPELEVQYQGRCKKTCRDVFCPGSSTCVVDQTNNAYCVTCNR ICPEPASSEQYLCGNDGVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCTG

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	GKKCLWDFKVGGRGRCSLCDELCPDSKSDEPVCASDNATYASECAMKEAACSSGVL LEVKHSGSCN
Endotoxin	Less than 1 EU/g of rHuFollistatin as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	FST
Official Symbol	FST
Synonyms	FST; follistatin; FS; activin-binding protein; follistatin isoform FST317;
Gene ID	10468
mRNA Refseq	NM_006350
Protein Refseq	NP_006341

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MIM	136470
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UniProt ID	P19883
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