9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

FST Human

Follistatin Human Recombinant
CYK0159

Product Overview

Name	FST Human
Description	
Follistatin Human Recombinant	
Accession (Primary)	P19883
Synonyms	
FST, FS	
Introduction	
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 functions as an ACTV antagonist. specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (fsh).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution containing no additives.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Asn-Cys-Trp-Leu.	
Biological Activity	

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The activity is determined by the ability to neutralize ACTV inhibitory effect of mouse MPC-11 cells. The expected ED50 is 100-400ng/ml, corresponding to a Specific Activity of 2,500-10,000units/mg in the presence of 7.5ng/ml ACTV A.

Solubility

It is recommended to reconstitute the lyophilized Follistatin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FST Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P19883)