9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FST Mouse

Follistatin Mouse Recombinant
CYK0162

Product Overview

Name	FST Mouse
Description	
Follistatin Mouse Recombinant	
Accession (Primary)	P47931
Synonyms	
Follistatin, FST, FS, Activin-binding protein, AL033346.	
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 binds directly to activin and functions as an activin 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	
The Mouse Follistatin is lyophilized from 10mM Na 2 PO 4 and 50mM NaCl, pH 7.5.	
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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGNCWLRQAK NGRCQVLTKT ELSKEECCST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RDVFCPGSST CVVDQTNNAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DS.

Biological Activity

The ED 50 , determined by the dose-dependent neutralization of 7.5ng/ml human Activin-A on MCP-11 cells, is 0.13-0.19 µg/ml.

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

Target Information: (P47931)