

Bioactive

FST (Human) Recombinant Protein

Catalog # P8649

Size 20 ug

Specification

Product Description	Human FST recombinant protein expressed in <i>Escherichia coli</i> .
Host	Escherichia coli
Theoretical MW (kDa)	31.5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED ₅₀ is 100-400 ng/mL, measured by the ability to neutralize ACTV inhibitory effect of mouse MPC-11 cells, corresponding to a specific activity of 2500-10000 units/mg in the presence of 7.5 ng/mL A CTV A.
Storage Buffer	Protein (1 mg/mL) was lyophilized with no additives. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — FST

Entrez GeneID	10468
Protein Accession#	P19883
Gene Name	FST
Gene Alias	FS
Gene Description	follistatin
Omim ID	136470 184700
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	follistatin isoform FST317

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)

- [Tobacco Use Disorder](#)