Bioactive

FST (Human) Recombinant Protein

Catalog # P8649 Size 20 ug

Specification

Product Description	Human FST recombinant protein expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	31.5
Form	Lyophilized
Preparation Method	*Escherichia coli* 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_2O 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

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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 rel ease. 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 w hich 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 a nd 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

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- Tobacco Use Disorder

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