

Bioactive

FST (Human) Recombinant Protein

Catalog # P6248

Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description

Human FST (P19883) recombinant protein expressed in *E. Coli*.

Sequence

MGNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDVNDNTLFKWMIFNGGAPNCIPC
KETCENVDCGPGKKCRMNKKNKPRCVCAPDCSNITWKGPVCGLDGKTYRNECALLKARCKEQ
PELEVQYQGRCKKTCRDVFCPGSSTCVVDQTNNAVCVTCNRICPEPASSEQYLCGNDGVTYSSA
CHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCTGGKKCLWDFKVGGRGRCSLCDELCPDSKSDE
PVCASDNATYASECAMKEAACSSGVLLLEVKHSGSCN

Host

Escherichia coli

Theoretical MW (kDa)

31.7

Form

Lyophilized

Purity

 $\geq 95\%$

Endotoxin Level

 ≤ 1 EUs/ug (Kinetic LAL)

Activity

ED₅₀ ≤ 200 ng/mL

Neutralization of human activin a induced cytotoxicity of MPC-11 cells

The values provided above are minimum expected values to pass internal requirements.

Quality Control Testing

Reducing and Non-Reducing SDS PAGE

Conformation	Monomer
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate , 50 mM sodium chloride, pH 7.5.
Storage Instruction	Stored at -20°C to -80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Western Blot
- Functional Study

Gene Info — FST

Entrez GeneID	10468
Protein Accession#	P19883
Gene Name	FST
Gene Alias	FS
Gene Description	follicle-stimulating hormone releasing hormone receptor 1
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	follicle-stimulating hormone releasing hormone receptor 1

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](#)