FST (Human) Recombinant Protein

Catalog # P8650 Size 2 x 10 ug

Specification

Product Description	Human FST recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MKHHHHHHASGNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDVNDNTLFKWMIFN GGAPNCIPCKETCENVDCGPGKKCRMNKKNKPRCVCAPDCSNITWKGPVCGLDGKTYRNECAL LKARCKEQPELEVQYQGRCKKTCRDVFCPGSSTCVVDQTNNAYCVTCNRICPEPASSEQYLCG NDGVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCTGGKKCLWDFKVGRGRCSLCDEL CPDSKSDEPVCASDNATYASECAMKEAACSSGVLLEVKHSGSCNSISEDTEEEEEDEDQDYSF PISSILEW
Host	Escherichia coli
Theoretical MW (kDa)	36
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Storage Buffer	Protein (0.5 mg/mL) was lyophilized from a solution containing 20 mM Tris, pH 7.5, 20 mM NaCl. Re constitute the lyophilized powder in ddH_2O to 0.5mg/mL, and is not sterile! Please filter the product b y an sterile filter before use.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots at 4°C for 2 weeks. Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — FST

Entrez GeneID	10468
Protein Accession#	P19883

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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
- Tobacco Use Disorder

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