

Recombinant Human FST, His-tagged

Cat. No. FST-27459TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human Follistatin with N-Terminal His tag. Mol Wt 36 kDa.
Species	Human
Source	E.coli
ProteinLength	315 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	36.000kDa
Tissue specificity	Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid.
Form	Lyophilised: Add deionized water (200 µl) to prepare a working stock solution of approximately 0.5 mg/mL
Purity	by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 7.50 Constituents: 0.24% Tris, 0.116% Sodium chloride
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	<p>MKHHHHHHAS GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED VNDNTLFKWM IFNGGAPNCI PCKETCENV D CGPGKKCRMN KKNKPRCVCA PDCSNITWKG PVCGLDGKTY RNECALLKAR CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC VVDQTNNA YC VTCNRICPEP ASSEQYL CGN DGVTYSSACH LRKATCLLGR SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD FKVGRGRCSL CDELCPDSKS DEPVCASDNA TYASECAMKE AACSSGV LLE VKHSGSCNSI SETEEEEEED EDQDYSFPIS SILEW</p>
Sequence Similarities	Contains 3 follistatin-like domains. Contains 3 Kazal-like domains. Contains 1 TB (TGF-beta binding) domain.

GENE INFORMATION

Gene Name	FST follistatin [Homo sapiens]
Official Symbol	FST
Synonyms	FST; follistatin; FS;
Gene ID	10468
mRNA Refseq	NM_006350
Protein Refseq	NP_006341
MIM	136470

Uniprot ID	P19883
Chromosome Location	5q11.2
Pathway	BMP receptor signaling, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	activin binding; heparan sulfate proteoglycan binding; protein binding; signal transducer activity;

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