



Follistatin, His Tag, human recombinant (rHuFST-His)

Catalog No: 97454
Lot No: XXXXX
Source: *E. coli*
Synonyms: FST, FS, Activin-binding protein

Background

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. Follistatin binds directly to activin and functions as an activin antagonist. specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (fsh).

Description

Follistatin human recombinant produced in *E. coli* is a 36.0 kDa protein containing 325 amino acid residues of FST and a 10 amino acid N-terminal His Tag.

Physical Appearance

Lyophilized

Formulation

FST His Tag was filtered (0.4 µm) and lyophilized from 0.5 mg/ml supplied in 20 mM TRIS and 20 mM NaCl, pH 7.5.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Stability

Store lyophilized FST His at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted FST His can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Amino Acid Sequence

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MKHHHHHHAS GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED VNDNTLFKWM IFNGGAPNCI PCKETCENVD  
CGPGKKCRMN KKNKPRCVCA PDCSNITWKG PVCGLDGKTY RNECALLKAR CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC  
VVDQTNNAYC VTCNRICPEP ASSEQYLCGN DGVTYSSACH LRKATCLLGR SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD  
FKVGRGRCSL CDELCPDSKS DEPVCASDNA TYASECAMKE AACSSGVLLE VKHSGSCNSI SEDTEEEED EDQDYSFPIS  
SILEW
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Applications

WB*ELISA

Usage

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