
Product Data Sheet

Product Name: FST Human, His

Cat. No.: GP20268

Batch No.: 1

Product Data

Purity	>98%	Source	E. coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	FST; FS; Activin-binding protein.		
Amino Acid Sequence	MKHHHHHHAS GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED VNDNTLFLKWM IFNGGAPNCI PCKETCENV D CGPGKKCRMN KKNKPRCVCA PDCSNITWKG PVCGLDGKTY RNECALLKAR CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC VVDQTNNA YC VTCNRICPEP ASSEQYLCGN DGVTYSSACH LRKATCLLGR SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD FKVGRGRCSL CDELCPDSKS DEPVCASDNA TYASECAMKE AACSSGV LLE VKHSGSCNSI SEDTEEEEEED EDQDYSFPIS SILEW.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/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.		
Formulation	FST His Tag was filtered (0.4µm) and lyophilized from 0.5mg/ml supplied in 20mM TRIS and 20mM NaCl, pH 7.5.		

Introduction

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).

Caution: Product has not been fully validated for medical applications. For research use only.

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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 .

Background

FST His Protein is 36.0 kDa protein containing 325 amino acid residues of the FST His and the 10 aa N-Terminal His-tag.

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