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## Recombinant human Follistatin/FST protein

Catalog Number: ATGP2964

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

30-317aa

#### UniProt No.

P19883

#### **NCBI Accession No.**

NP 006341

#### **Alternative Names**

Follistatin isoform FST317. FS

## PRODUCT SPECIFICATION

### **Molecular Weight**

32.5 kDa (295aa) 40-57 kDa, reducing conditions

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

## **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

#### **Description**

FST, also known as 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. Recombinant human FST, fused to His-tag at C-terminus, was expressed in Sf9 and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

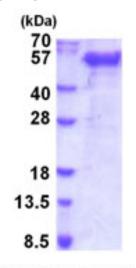
MGNCWLRQAK NGRCQVLYKT ELSKEECCST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNNAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DFKVGRGRCS LCDELCPDSK SDEPVCASDN ATYASECAMK EAACSSGVLL EVKHSGSCNH HHHHH

#### **General References**

Sang Q, Zhang S,et al. (2013). Reprod Biomed Online. 26(2):157-63. Akiyama I, Yoshino O,et al. (2013). Reprod Sci. 20(6):675-9.

## **DATA**

### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain