

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

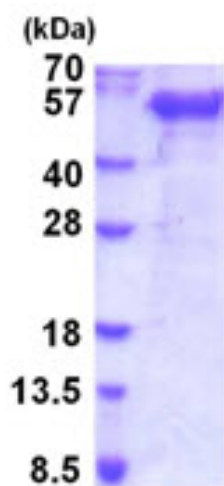
MGNCWLRQAK NGRCQVLYKT ELSKEECCST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM
NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNAY
CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DFKVGRGRCS
LCDELCPDSK SDEPVCASDN ATYASECAMK EAACSSGVLL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



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

15% SDS-PAGE (3ug)