

Follistatin Active Protein | Fst active protein

Follistatin protein

CATALOG # AAA75437	HOST Human
------------------------------	----------------------

PRODUCT SYNONYMS

Follistatin; Follistatin protein; activins-binding protein; FS protein; Fst active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95% pure
Form/Format	Lyophilized from 10mM Na3PO4, pH 7.5, with 75mM NaCl. Reconstitute in distilled water to a concentration of 0.1-1.0 mg/ml
Sequence	RegionofFollistatinprotein corresponding to amino acid sequence: SGNCWLRQAK NGRCQVLYKT ELSKEECCST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPSST CVVDQTNNAY CVTCNCRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DFKVGRGRCS LCDELCPDSK SDEPVCASDN ATYASECAMK EAACSSGVLL EVKHSKSCN.
Sequence Length	343
Protein Type	Recombinant
Biological Significance	Follistatin is a secreted protein that binds to ligands of the TGF beta family and regulates their activity by inhibiting their access to signaling receptors. It was originally discovered as activin antagonists whose activity suppresses expression and secretion of the pituitary hormone FSH (follicle stimulating hormone). In addition to being a natural antagonist, follistatin can inhibit the activity of other TGF beta ligands including BMP-2, -4, -6, -7, Myostatin, GDF-11, and TGF beta1. Follistatin is expressed in the pituitary, ovaries, decidual cells of the endometrium, and in some other tissues.
Bioactivity	Determined by its ability to neutralize Activin A inhibitory effect of Mouse MPC-11 cells. The expected ED50 is 0.1-0.4 ug/ml in the presence of 7.5 ng/ml Activin A.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Fst active protein	Purified recombinant Human Follistatin protein
Product Categories/Family for Fst active protein	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679867
NCBI GeneID	14313

NCBI Accession #	NP_032072.1
NCBI GenBank Nucleotide #	NM_008046.2
UniProt Accession #	P47931; A6H6P0
Molecular Weight	31.5 kDa
NCBI Official Full Name	follistatin isoform 2
NCBI Official Synonym Full Names	follistatin
NCBI Official Symbol	Fst
NCBI Official Synonym Symbols	FS; AL033346
NCBI Protein Information	follistatin
UniProt Protein Name	Follistatin
UniProt Gene Name	Fst
UniProt Synonym Gene Names	FS
UniProt Entry Name	FST_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/follistatin/75437>