

Follistatin Active Protein | mFST active protein

Recombinant Mouse Follistatin

CATALOG #
AAA38937

HOST
E Coli

PRODUCT SYNONYMS

Follistatin; Recombinant Mouse Follistatin; FST Mouse; Follistatin Mouse Recombinant; FST; FS; Activin-binding protein; AL033346; mFST active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The Mouse Follistatin is lyophilized from 10mM Na ₂ PO ₄ and 50mM NaCl, pH 7.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MGNCWLRQAK NGRCQVLTKT ELSKEECST GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNNAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK CIKAKSCEDI QCTGGKKCLW DS
Sequence Length	344
Solubility	It is recommended to reconstitute the lyophilized Follistatin in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , determined by the dose-dependent neutralization of 7.5ng/ml human Activin-A on MCP-11 cells, is 0.13-0.19 ug/ml.
Preparation and Storage	Lyophilized Follistatin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution FST should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mFST active protein	Description: Follistatin Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 289 amino acids and having a total molecular mass of 31.6kDa. The FST is purified by proprietary chromatographic techniques. 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).
Product Categories/Family for mFST active protein	Cytokines and Growth Factors; Cytokines; Follistatin

NCBI AND UNIPROT INFORMATION

NCBI GI #	672890584
NCBI GeneID	14313

NCBI Accession #	NP_001288302.1
NCBI GenBank Nucleotide #	NM_001301373.1
UniProt Accession #	P47931; A6H6P0
Molecular Weight	37,866 Da
NCBI Official Full Name	follistatin FST315
NCBI Official Synonym Full Names	follistatin
NCBI Official Symbol	Fst
NCBI Official Synonym Symbols	FS; AL033346
NCBI Protein Information	follistatin; activin-binding protein
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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mfst-active-protein/follistatin/38937>