

Follistatin Active Protein | FST active protein

Recombinant Human Follistatin

CATALOG # AAA38122	HOST E Coli
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PRODUCT SYNONYMS

Follistatin; Recombinant Human Follistatin; FST Human; Follistatin Human Recombinant; FST; FS; Activin-binding protein; FST active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeGly-Asn -Cys-Trp-L eu
Sequence Length	317
Solubility	It is recommended to reconstitute the lyophilized Follistatin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity is determined by the ability to neutralize Activin A inhibitory effect of mouse MPC-11 cells. The expected ED50 is 100-400ng/ml, corresponding to a Specific Activity of 2,500-10,000units/mg in the presence of 7.5ng/ml Activin A.
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 FST active protein	Description: Follistatin Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids and having a total molecular mass of 31.5kDa. 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 FST active protein	Cytokines and Growth Factors; Cytokines; Follistatin

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453652
NCBI GeneID	10468
NCBI Accession #	NP_006341.1

NCBI GenBank Nucleotide #	NM_006350.3
UniProt Accession #	P19883; Q9BTH0; B5BU94
Molecular Weight	34,803 Da
NCBI Official Full Name	follicle-stimulating hormone receptor isoform FST317
NCBI Official Synonym Full Names	follicle-stimulating hormone receptor
NCBI Official Symbol	FST
NCBI Official Synonym Symbols	FS
NCBI Protein Information	follicle-stimulating hormone receptor; activin-binding protein; follicle-stimulating hormone receptor isoform FST317
UniProt Protein Name	Follicle-stimulating hormone receptor
UniProt Gene Name	FST
UniProt Synonym Gene Names	FS
UniProt Entry Name	FST_HUMAN

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://www.aaabiotech.com/e-coli-fst-active-protein/follicle-stimulating-hormone-receptor/38122>