



Recombinant Sheep Follistatin (FST)

Product Code	CSB-EP009024SH-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31514
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	>85% (SDS-PAGE)
Sequence	GNCWLRQA KNGRCQVLYK TELSKEECCS TGRLSTSWTE EDVNDNTLFLK WMIFNGGAPN CIPCKETCEN VDCGPGKKCR MNKKNKPRCV CAPDCSNITW KGPVCGLDGK TYRNECALLK ARCKEQPELE VQYQGKCKKT CRDVFPCGSS TCVVDQTNNA YCVTCNRICP EPTSSEQYLC GNDGVTYPSA CHLRKATCLL GRSIGLAYEG KCIKAKSCED IQCTGGKKCL WDFKVGRGRC SLCGELCPES KSEEPVCASD NATYASECAM KEAACSSGVL LEVKHSGSCN SISEDTEDEE EDEDQDYSFP ISSILEW
Source	E.coli
Target Names	FST
Protein Names	Recommended name: Follistatin Short name= FS Alternative name(s): Activin-binding protein
Expression Region	23-337
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.