



Recombinant Rat Follistatin (Fst)

Product Code	CSB-MP009024RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21674
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	G NCWLRQAKNG RCQVLYKTEL SKEECCSTGR LSTSWTEEDV NDNTLFKWMI FNGGAPNCIP CKETCENVDC GPGKKCRMNK KNKPRVCAP DCSNITWKGP VCGLDGKTYR NECALLKARC KEQPELEVQY QGKCKKTCRD VFCPGSSTCV VDQTNAYCV TCNRICPEPS SSEQSLCGND GVTYSSACHL RKATCLLGRS IGLAYEGKCI KAKSCEDIQC GGGKKCLWDF KVGGRGCSLC DELCPDSKSD EPVCASDNAT YASECAMKEA ACSSGVLLEV KHSGSCNSIS EETEEEEEEE DQDYSFPISS TLEW
Source	Mammalian cell
Target Names	Fst
Protein Names	Recommended name: Follistatin Short name= FS Alternative name(s): Activin-binding protein
Expression Region	30-344
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.