



# Recombinant Horse Follistatin (FST)

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| <b>Product Code</b>      | CSB-EP009024HO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O62650   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Equus caballus (Horse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | G NCWLRQAKNG RCQVLYKTEL SKEECCSTGR LSTSWTEEDV<br>NDNTLFKWMI FNGGAPNCIP CKETCDNVDC GPGKKCRMNK KNKPRVCAP<br>DCSNITWKGP VCGLDGKTYR NECALLKARC KEQPELEVQY QGKCKKTCRD<br>VNCPGSSTCV VDQTNAYCV TCNRICPEPT SSEQYLCGND GVTYSSACHL<br>RKATCLLGRS IGLAYEGKCI KAKSCEDIQC TGGKKCLWDF KVGRGRCSLC<br>DELCPSKSE EPVCASDNAT YASECAMKEA ACSSGVLLEV KHSGSCNSIS<br>EDTEEEEEDE DQDYSFPISS ILEW   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | FST  |
| <b>Protein Names</b>     | Recommended name: Follistatin Short name= FS Alternative name(s): Activin-binding protein  |
| <b>Expression Region</b> | 30-344   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.  |
| <b>Shelf Life</b>        | 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.  |