

Recombinant Human FST Protein, His-tagged

Cat. No. FST-029H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Follistatin (rhFollistatin) Met1-Asn317 (Accession # AAH04107.1) fused with a C-terminal 6×his tag was produced in human HEK 293 cells.
Species	Human
Source	HEK293
ProteinLength	1-317 a.a.
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	rhFollistatin is fused with a 6×his tag at C-terminal and the protein has a calculated MW of 32 kDa. The predicted N-terminal is Gly 30. DTT-reduced protein migrates as 35-45 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per 1 g of the rhFollistatin by the LAL method.
Purity	>95% as determined by SDS-PAGE. All lots are greater than 95% pure.

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Notes	Research Use Only. Not for use in diagnostic or therapeutic procedures.
Storage	Store at -20 centigrade in lyophilized state after receipt. For long term storage, upon reconstitution rhFollistatin should be aliquot and store at -20 centigrade or -8 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	Bulk protein in a 0.22 µ filtered solution of PBS, pH 7.4 and delivered as liquid formulation or lyophilized powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization.

GENE INFORMATION

Gene Name	FST follistatin [Homo sapiens]
Official Symbol	FST
Synonyms	FST; follistatin; FS; activin-binding protein; follistatin isoform FST317;
Gene ID	10468
mRNA Refseq	NM_006350
Protein Refseq	NP_006341
MIM	136470
UniProt ID	P19883

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