

Recombinant Human FST Protein, His tagged

Cat. No. FST-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FST Protein with His tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	30-329 aa
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.
AASequence	<p>MGNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDVNDNTLFKWMIFNG GAPNCIPCKETCENVDCGPGKKCRMNKKNKPRVCAPDCSNITWKGPVCGLDGKT YRNECALLKARCKEQPELEVQYQGRCKKTCRDVFCPGSSTCVVDQTNNAVCVTCN RICPEPASSEQYLCGNDGVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCT GGKKCLWDFKVGRGRCSLCDELCPDSKSDEPVCASDNATYASECAMKEAACSSG VLLEVKHSGSCNSISEDTEEEEDHHHHHHHH</p>
Molecular Mass	34 kDa
Endotoxin	< 1 EU/μg of protein (determined by LAL method)

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Purity	> 80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 10% Glycerol, 8% Trehalose
Concentration	0.9 mg/mL by BCA

GENE INFORMATION

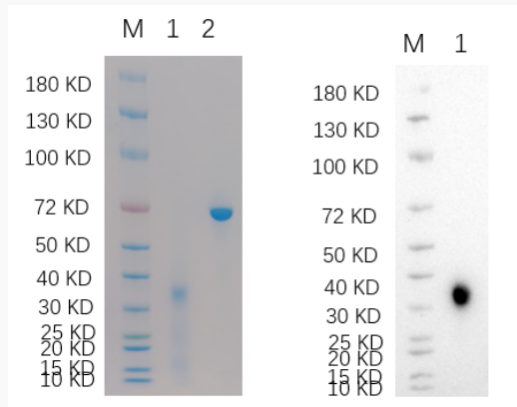
Gene Name	FST follistatin [Homo sapiens (human)]
Official Symbol	FST
Synonyms	FST; follistatin; FS; activin-binding protein; follistatin isoform FST317
Gene ID	10468
mRNA Refseq	NM_006350
Protein Refseq	NP_006341
MIM	136470
UniProt ID	P19883

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified FST. 1. FST: 1 μ g 2. BSA: 1 μ g

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