

Recombinant Human FST Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FST-2557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

FST MS Standard C13 and N15-labeled recombinant protein (NP_037541) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

38 kDa

AA Sequence

MVRARHQPGGLCLLLLLLQCQFMEDRSAQAGNCWLRQAKNGRCQVLYKTELSKEEC
 CSTGRLSTSWTEEDVNDNTLFKWMIFNGGAPNCIPCKETCENVDCGPGKKCRMNK
 KMKPRVCAPDCSNITWKGVCGLDGKTYRNECALLKARCKEQPELEVQYQGRCK
 KTCRDVFCPGSSTCVVDQTNNAVCVTCNRCPEPASSEQYLCGNDGVTYSSACHLR
 KATCLLGRSIGLAYEGKCIKAKSCEDIQCTGGKKCLWDFKVGGRGRCSLDELCPDSK
 SDEPVCASDNATYASECAMKEAACSSGVLLVVKHSGSCNSISEDTEEEEEDEDQDY
 SFPISSILEWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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_013409
Protein Refseq	NP_037541
MIM	136470
UniProt ID	P19883

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SDS-PAGE



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