

Product datasheet for PH315777

Follistatin (FST) (NM_006350) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FST MS Standard C13 and N15-labeled recombinant protein (NP_006341)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215777
Predicted MW:	34.8 kDa
Protein Sequence:	>RC215777 representing NM_006350 Red=Cloning site Green=Tags(s) MVRARHQPGGLCLLLLLLQCFMEDRSAQAGNCWLRQAKNGRCQVLYKTELSKEECCSTGRLSTSWTEEDV NDNTLFKWMIFNGGAPNCIPCKETCENVDCGPGKRCRMNKKNKPRVCAPDCSNITWGPVCGLDGKTYR NECALLKARCKEPELEVQYQGRCKKTCRDVFCPGSSTCVVDQTNNAVCVTCNRICPEPASSEQYLCGND GVTYSSACHLRKATCLLGRSIGLAYEGKCIKAKSCEDIQCTGGKKCLWDFKVGGRCSLDELCPDSKSD EPVCASDNATYASECAMKEAACSSGVLLLEVKHSGSCN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006341</u>
RefSeq Size:	1386
RefSeq ORF:	951
Synonyms:	FS
Locus ID:	10468



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UniProt ID: [P19883](#)

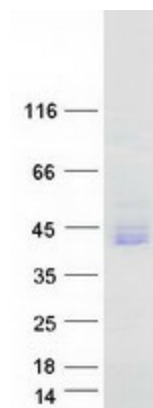
Cytogenetics: 5q11.2

Summary: 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]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified FST protein (Cat# [TP315777]). The protein was produced from HEK293T cells transfected with FST cDNA clone (Cat# [RC215777]) using MegaTran 2.0 (Cat# [TT210002]).