



# Human FST peptide (DAG-P1617)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</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. [provided by RefSeq, Jul 2008]
<b>Specificity</b>	Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 3 follistatin-like domains.Contains 3 Kazal-like domains.Contains 1 TB (TGF-beta binding) domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FST follistatin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	FST
<b>Synonyms</b>	FST; follistatin; FS; activin-binding protein; follistatin isoform FST317;

<b>Entrez Gene ID</b>	<a href="#">10468</a>
<b>mRNA Refseq</b>	<a href="#">NM_006350.3</a>
<b>Protein Refseq</b>	<a href="#">NP_006341.1</a>
<b>UniProt ID</b>	P19883
<b>Chromosome Location</b>	5q11.2
<b>Pathway</b>	Antagonism of Activin by Follistatin, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Integrated Pancreatic Cancer Pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Activin, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
<b>Function</b>	activin binding; heparan sulfate proteoglycan binding; protein binding; signal transducer activity;