



Recombinant Human Follistatin

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-172
Size:	20 µg
Lot. No.:	According to product label

Sequence

GNCWLRQAKN GRCQVLYKTE LSKEECCSTG RLSTSWTEED
 VNDNTLFKWM IFNGGAPNCI PCKETCENV D CGPGKKCRMN
 KKNKPRCVCA PDCSNITWKG PVCGLDGKTY RNECALLKAR
 CKEQPELEVQ YQGRCKKTCR DVFCPGSSTC VVDQTNNAYC
 VTCNRICPEP ASSEQYLCGN DGVTYSSACH LRKATCLLGR
 SIGLAYEGKC IKAKSCEDIQ CTGGKKCLWD FKVGRGRCSL
 CDELCPSKSKS DEFVCASDNA TYASECAMKE AACSSGVILLE VKHSGSCN

Scientific Background

Gene-ID (NCBI):	10468
Synonyms:	FST; FS

Follistatin belongs to a group of structurally-diverse diffusible proteins that binds to TGF-beta ligands and inhibit their activity by hindering access to signaling receptors. This naturally occurring antagonist binds to Activin, BMP-2,-4,-6,-7, Myostatin, GDF-11, and TGF-beta1. Follistatin is expressed in the pituitary, ovaries, decidual cells of the endometrium, and in some other tissues. Recombinant human Follistatin is a 31.5 kDa protein containing 288 amino acids including 36 cysteine residues.

Database References

Protein RefSeq:	NP_006341.1
Uniprot ID:	P19883
mRNA RefSeq:	NM_006350

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	288
MW:	31.5 kDa

Biological Activity: Determined by its ability to neutralize Activin A inhibitory effect of murine MPC-11 cells. The expected ED50 is 0.1-0.4 µg/ml in the presence of 7.5 ng/ml Activin A.



AVOID REPEATED FREEZE AND THAW CYCLES!