

Recombinant Human Follistatin

CATALOG NO:	4708-10	10 µg
	4708-50	50 µg
	4708-100	100 µg
	4708-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE Endotoxin level is <0.1 ng per µg of Follistatin.	
MOL. WEIGHT:	31.5 kDa	
FORMULATION:	Sterile filtered and lyophilized from 10 mM Sodium Phosphate, pH 7.5 + 75 mM NaCl	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized human Follistatin is best-stored desiccated below 0°C. Reconstituted protein should be stored at working aliquots at -20°C. For long term storage, it's recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze-thaw cycles.

DESCRIPTION:

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.

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.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Apoptosis Inducers and Set
- Apoptotic Cell Isolation Kit

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- Mammalian Cell Extraction Kit
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