Recombinant Human Follistatin (FST)

Cat No:HR2R1432

For research use only

Overview

Quantity	10 ?g
Gene Symbol	FST
Gene ID	10468
Accession	P19883
Alternative Name	FS, Activin-binding protein
Species	Human
Source	E. coli
Description	Expressed in the pituitary, ovaries, and in some other tissues, FST is a high affinity activin binding protein that can act as an activin antagonist. FST was originally discovered through its suppressive effect of the expression and secretion of the pituitary follicle stimulating hormone. Besides activin, FS has also been shown to bind with multiple BMPs, Myostatin, GDF-11, and TGF-beta-1. Human Follistatin contains three cysteine-rich domains (called Follistatin-like domains), 3 Kazal-like domains and one TGF-beta binding domain.
Functions	The ED(50) was determined by the ability to neutralize Activin A inhibitory effect of mouse MPC-11 cells and was determined to be 0.1-0.4 ?g/mL in the presence of 7.5 ng/mL Activin A.
Formulation	Recombinant Human Follistatin was lyophilized at 1.0 mg/mL containing no additives.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	31
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.