

Product Sheet

Follistatin Fc Fusion, human recombinant

Catalog # FSTFC-050, FSTFC-250, FSTFC-1000

Description Follistatin is a secreted protein that binds to some members of the TGF- β family and blocks their access to corresponding receptors. In addition to being a natural antagonist of Activins, follistatin can inhibit the activity of other TGF- β ligands including BMPs, Myostatin, GDF-11, and TGF- β 1.

StemRD's Follistatin Fc fusion protein is full-length human Follistatin-288 fused to the N-terminus of the Fc domain of human IgG1. This fusion allows stabilization of the protein in vitro and in vivo and dimerization of the recombinant protein rendering high-affinity binding to Activins.

Expression is in human 293 cells cultured in serum-free and protein-free medium. Purification of the fusion protein from culture medium is achieved by using protein A chromatography.

Formulation Lyophilized in sterile filtered solution of PBS.

Reconstitution Before reconstitution, a brief spin is recommended to drive down any material dislodged from the bottom of the tube. The lyophilized protein should be reconstituted in sterile H₂O to a desired concentration.

Stability The lyophilized protein is stable for at least one year if stored at -80 degree C. Reconstituted protein is stable for at least four weeks at 4 degree C, but should be stored in aliquots at -80 degree C for longer term. Avoid repeated freeze and thaw.

Purity Greater than 95% as determined by SDS-PAGE analysis

Biological Activity The activity was determined by using a SMAD reporter gene assay in cultured human cells. The IC₅₀ ranges from 20 - 100 ng/ml in the inhibition of 2 ng/mL Activin A activity.

Country of Origin USA

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