



Recombinant Protein Technical Manual

Recombinant Human Follistatin 288/FST Protein

RPES2632

Product Data:

Product SKU: RPES2632

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P19883

Protein Information:

Molecular Mass: 32.4 kDa

AP Molecular Mass: 33-42 kDa

Tag:

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: follistatin isoform FST317; Follistatin; FS; FSActivin-binding protein; FST

Immunogen Information:

Sequence: Gly30-Asn317

Background:

Follistatin 288 is a secreted glycoprotein that was first identified as a follicle-stimulating hormone inhibiting substance in ovarian follicular fluid. Human follistatin 288 cDNA encodes a 317 amino acid (aa) protein with a 29aa signal sequence, and a 288 aa mature region. Follistatin shows the highest affinity for activins due to its extended configuration. Genetic deletion of follistatin in mice, or expression of only the Follistatin form, is perinatally lethal due to defects of lung, skin and musculoskeletal system. Follistatins also regulate hematopoietic stem cell adhesion to fibronectin via FS2.