

## Recombinant Human Follistatin 288/FST Protein

**Catalog No.** PKSH033674

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

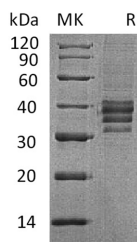
### Description

<b>Synonyms</b>	follistatin isoform FST317;Follistatin;FS;FSActivin-binding protein;FST
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gly30-Asn317
<b>Accession</b>	P19883
<b>Calculated Molecular Weight</b>	32.4 kDa
<b>Observed molecular weight</b>	33-42 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

### 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,

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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.