Biotinylated Human Follistatin-like 1 / FSTL1 Protein, His,Avitag™ (MALS verified)

Catalog # FS1-H82E3

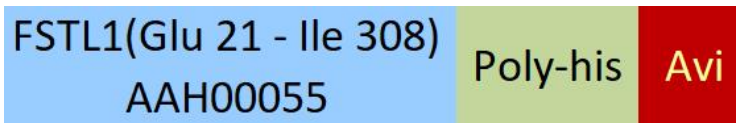
Synonym

FSTL1,FRP,FSL1

Source

Biotinylated Human Follistatin-like 1 Protein, His,Avitag(FS1-H82E3) is expressed from human 293 cells (HEK293). It contains AA Glu 21 - Ile 308 (Accession # AAH00055).
Predicted N-terminus: Glu 21

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 35 kDa.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

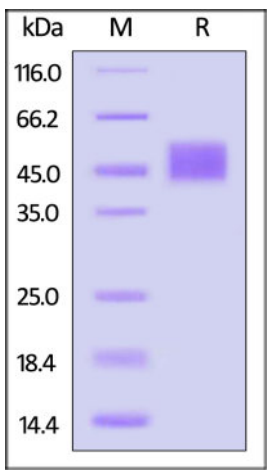
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

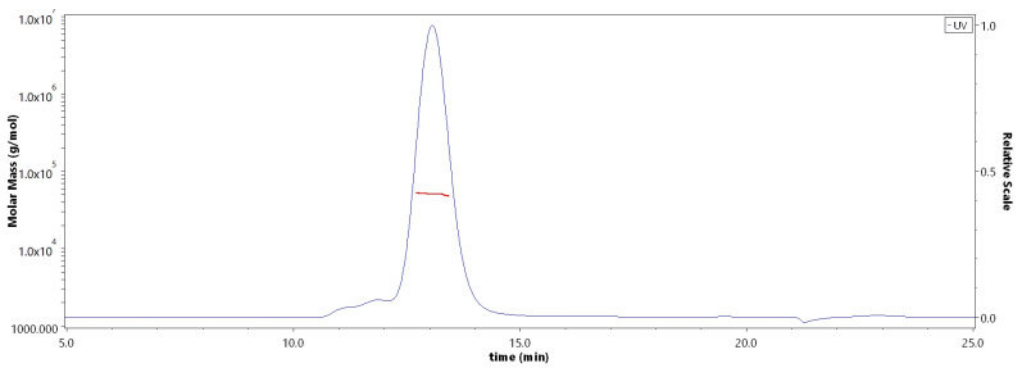
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Biotinylated Human Follistatin-like 1 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Biotinylated Human Follistatin-like 1 Protein, His,Avitag (Cat. No. FS1-H82E3) is more than 85% and the molecular weight of this protein is around 45-55 kDa verified by SEC-MALS.
Report

Background

Follistatin-related protein 1 (FSTL1) is also known as Follistatin-like protein 1 (FRP). FSTL1 is a secreted protein that contains two EF-hand domains, one follistatin-like domain, one Kazal-like domain and one VWFC domain. FSTL1 is overexpressed in synovial tissues from rheumatoid arthritis. Follistatin-like protein 1 / FSTL1 may modulate the action of some growth factors on cell proliferation and differentiation. FSTL1 binds heparin.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.