



Synonym

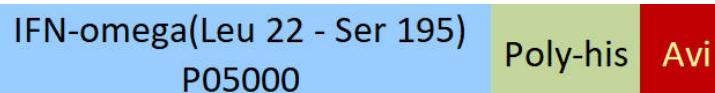
IFNW1,IFN-omega

Source

Biotinylated Human IFN-omega Protein, His,Avitag(IFA-H82E3) is expressed from human 293 cells (HEK293). It contains AA Leu 22 - Ser 195 (Accession # [P05000](#)).

Predicted N-terminus: Leu 22

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 23.9 kDa. The protein migrates as 28-30 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

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.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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

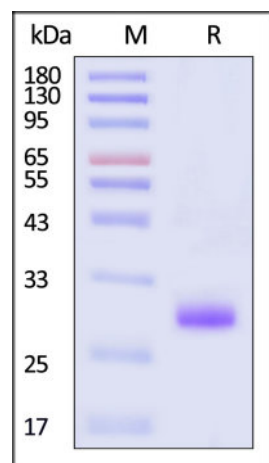
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

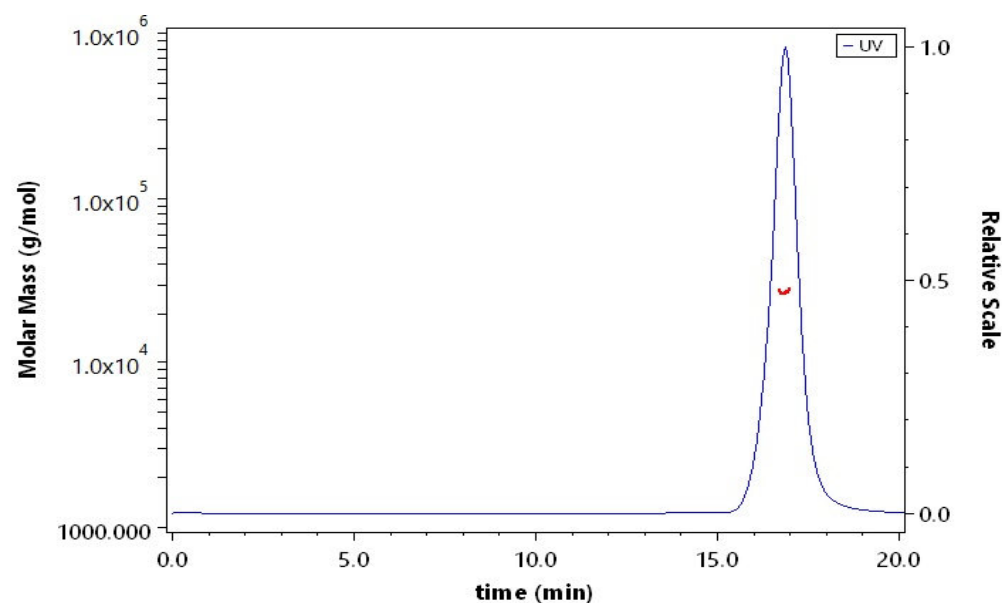
SDS-PAGE



Biotinylated Human IFN-omega Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-SPR

SEC-MALS

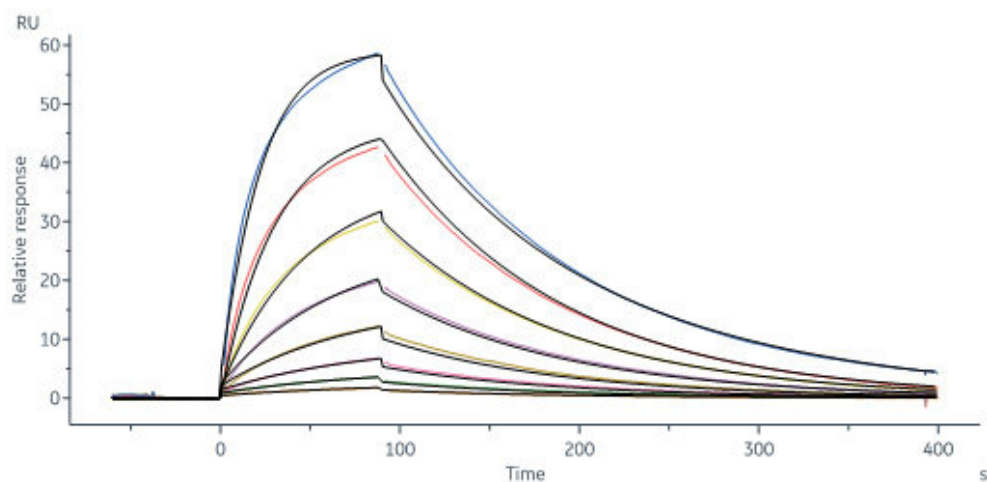


The purity of Biotinylated Human IFN-omega Protein, His,Avitag (Cat. No. IFA-H82E3) is more than 90% and the molecular weight of this protein is around 23-33 kDa verified by SEC-MALS.

[Report](#)

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and more!





Biotinylated Human IFN-omega Protein, His,Avitag (Cat. No. IFA-H82E3) captured on Biotin CAP-Series S Sensor Chip can bind Human IFNAR2, His Tag (Cat. No. IF2-H5224) with an affinity constant of 0.111 μ M as determined in a SPR assay (Biacore 8K) (QC tested).

Background

The protein encoded by this gene is an interferon and possesses antiviral activity. The encoded protein binds to the interferon alpha/beta receptor but not to the interferon gamma receptor. This intronless gene has several pseudogenes spread throughout the genome.

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