



**Synonym**

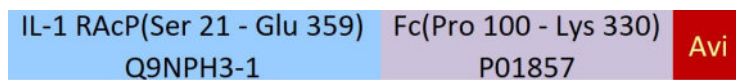
IL1RAP,IL-1RAcP,C3orf13,IL1R3

**Source**

Biotinylated Human IL-1 RAcP Protein, Fc,Avitag(ILP-H82F5) is expressed from human 293 cells (HEK293). It contains AA Ser 21 - Glu 359 (Accession # [Q9NPH3-1](#)).

Predicted N-terminus: Ser 21

**Molecular Characterization**



This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 66 kDa. The protein migrates as 80-90 kDa 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.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% 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**

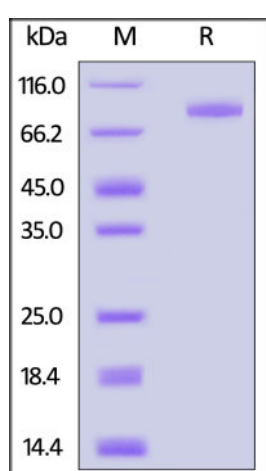
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

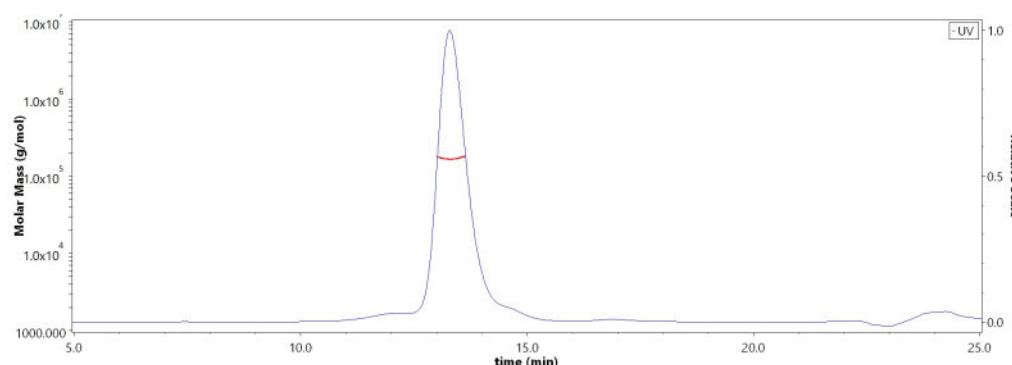
**SDS-PAGE**



Biotinylated Human IL-1 RAcP Protein, Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

**Bioactivity-ELISA**

**SEC-MALS**

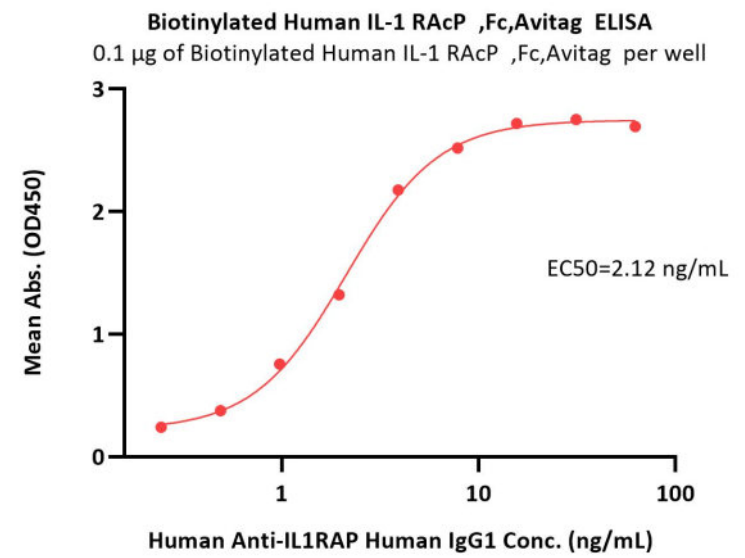
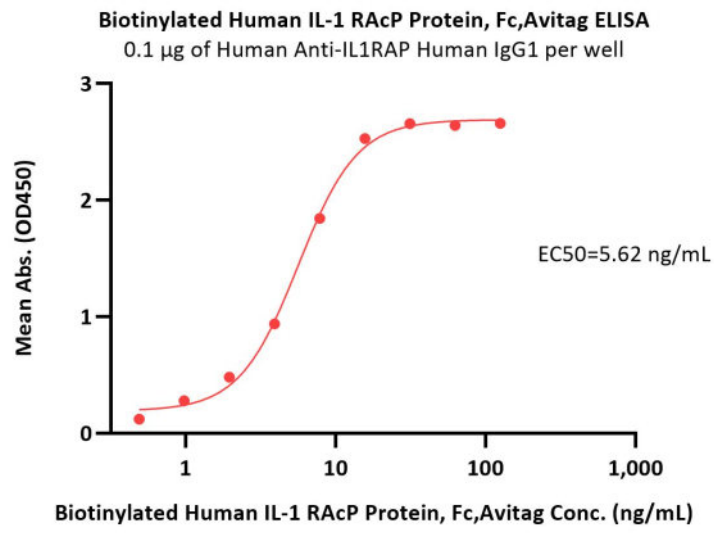


The purity of Biotinylated Human IL-1 RAcP Protein, Fc,Avitag (Cat. No. ILP-H82F5) is more than 85% and the molecular weight of this protein is around 155-175 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human Anti-IL1RAP Human IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated Human IL-1 RAcP Protein, Fc,Avitag (Cat. No. ILP-H82F5) with a linear range of 0.5-16 ng/mL (QC tested).

Immobilized Biotinylated Human IL-1 RAcP Protein, Fc,Avitag (Cat. No. ILP-H82F5) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human Anti-IL1RAP Human IgG1 with a linear range of 0.2-4 ng/mL (Routinely tested).

## Background

Interleukin-1 receptor accessory protein (IL1RAP or IL-1RAcP) is also known as Interleukin-1 receptor 3 (IL-1R-3 or IL-1R3), C3orf13, which belongs to the interleukin-1 receptor family. IL1RAP contains three Ig-like C2-type (immunoglobulin-like) domains and one TIR domain. IL1RAP is detected in liver, skin, placenta, thymus and lung. IL-1R3 / IL1RAP is coreceptor with IL1R1, associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways.

## Clinical and Translational Updates

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