



### Synonym

IL1RAP,IL-1RAcP,C3orf13,IL1R3

### Source

Human IL-1 RAcP, His Tag(ILP-H5225) is expressed from human 293 cells (HEK293). It contains AA Ser 21 - Glu 359 (Accession # [Q9NPH3](#)).

Predicted N-terminus: Ser 21

### Molecular Characterization

IL-1 RAcP(Ser 21 - Glu 359)  
Q9NPH3 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 40.2 kDa. The protein migrates as 55-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### 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

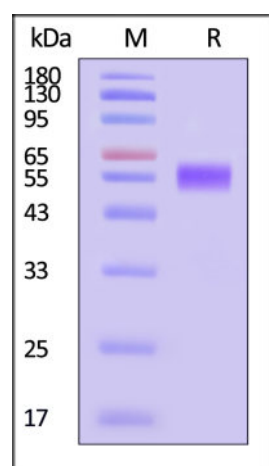
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

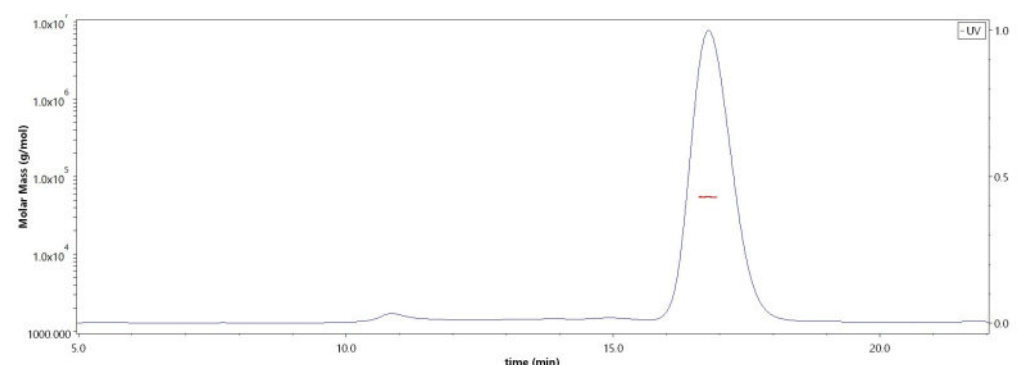
### SDS-PAGE



Human IL-1 RAcP, His Tag 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-ELISA

### SEC-MALS

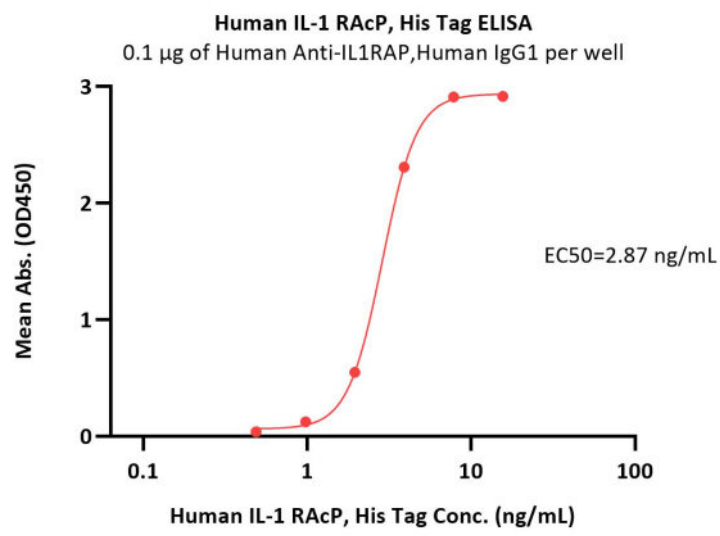


The purity of Human IL-1 RAcP, His Tag (Cat. No. ILP-H5225) is more than 85% and the molecular weight of this protein is around 50-65 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human Anti-IL1RAP, Human IgG1 at 1 µg/mL (100 µL/well) can bind Human IL-1 RAcP, His Tag (Cat. No. ILP-H5225) with a linear range of 0.5-4 ng/mL (QC 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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