

**Synonym**

IL-1 R6, IL-1 Rrp2, IL1RL2, IL-1RL2, IL1Rrp2, IL-1Rrp2, IL1RRP2, IL-36R

**Source**

Human IL-1 Rrp2 (C154S, C262S) Protein, His Tag(IL2-H52H4) is expressed from human 293 cells (HEK293). It contains AA Asp 20 - Arg 335 (Accession # [Q9HB29-1](#) (C154S, C262S)).

**Molecular Characterization**

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 37.9 kDa. The protein migrates as 55-65 kDa 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.

>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.*

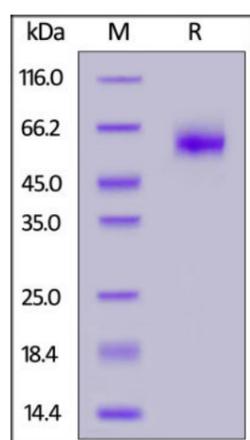
**Storage**

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

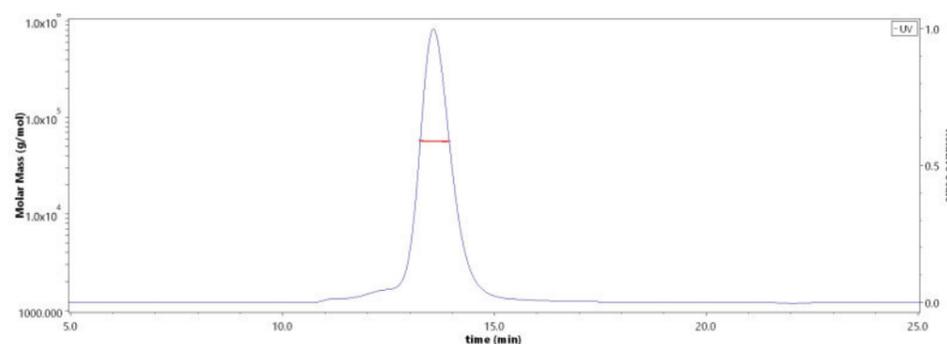
*Please avoid repeated freeze-thaw cycles.*

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.

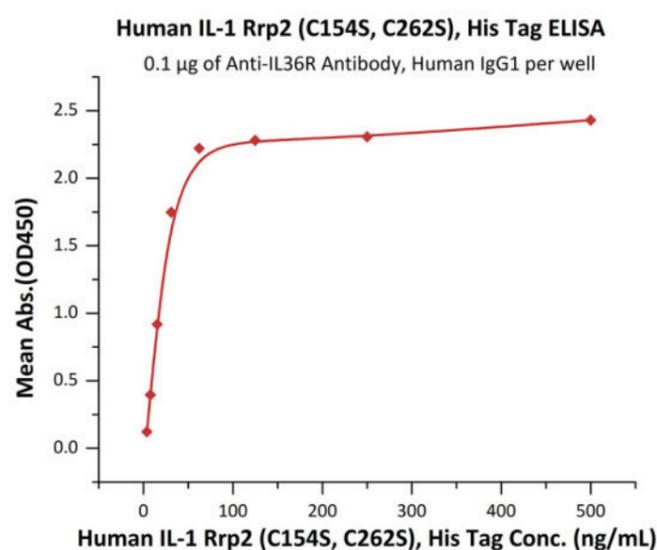
**SDS-PAGE**

Human IL-1 Rrp2 (C154S, C262S) Protein, 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%.

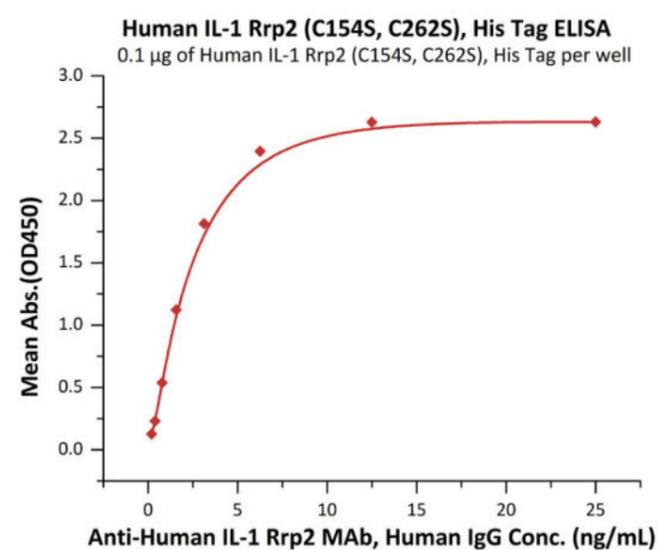
**Bioactivity-ELISA****SEC-MALS**

The purity of Human IL-1 Rrp2 (C154S, C262S) Protein, His Tag (Cat. No. IL2-H52H4) is more than 90% and the molecular weight of this protein is around 50-65 kDa verified by SEC-MALS.

[Report](#)



Immobilized Anti-IL36R Antibody, Human IgG1 at 1 µg/mL (100 µL/well) can bind Human IL-1 Rrp2 (C154S, C262S) Protein, His Tag (Cat. No. IL2-H52H4) with a linear range of 4-125 ng/mL (QC tested).



Immobilized Human IL-1 Rrp2 (C154S, C262S) Protein, His Tag (Cat. No. IL2-H52H4) at 1 µg/mL (100 µL/well) can bind Anti-Human IL-1 Rrp2 MAb, Human IgG with a linear range of 0.2-3 ng/mL (Routinely tested).

## Background

The Interleukin 1 receptor family (IL-1 R) comprises at least eleven members including IL-1 RI (IL-1 R1), IL-1 RII (IL-1 R2), IL-1 RAcP (IL-1 R3), ST2 (T1/IL-1 R4), IL-18 Ra (IL-1 Rrp/IL-1 R5), IL-1 Rrp2 (IL-1 RL2/IL-1 R6), IL-18 Rb (AcPL/IL-1 R7), IL-1RAPL-1 (TIGIRR-2/IL-1 R8), and TIGIRR-1 (IL-1 R9). All family members possess three immunoglobulin (Ig)-like domains in their extracellular region. Most members also have an intracellular TIR (Toll-like receptor/IL-1 receptor signaling) domain that is also conserved in the Toll-like receptor family. Related proteins, SIGIRR (single Ig domain-containing IL-1 R-related molecule) and IL-18BP, differ from the other members by having only one Ig domain.

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.