

# Biotinylated Human IL-1 Rrp2/IL-1 R6 Protein

Cat. No. IL1-HM4L2B

## Description

<b>Source</b>	Recombinant Biotinylated Human IL-1 Rrp2/IL-1 R6 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp20-Arg335.
<b>Accession</b>	Q9HB29-1
<b>Molecular Weight</b>	The protein has a predicted MW of 39.1 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

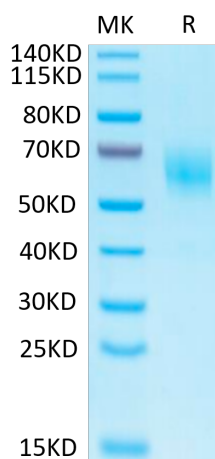
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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 (IL1 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-1RAPL1 (TIGIRR2/IL1 R8), and TIGIRR-1 (IL-1 R9). IL1RL2 is a receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways.

## Assay Data

### Tris-Bis PAGE



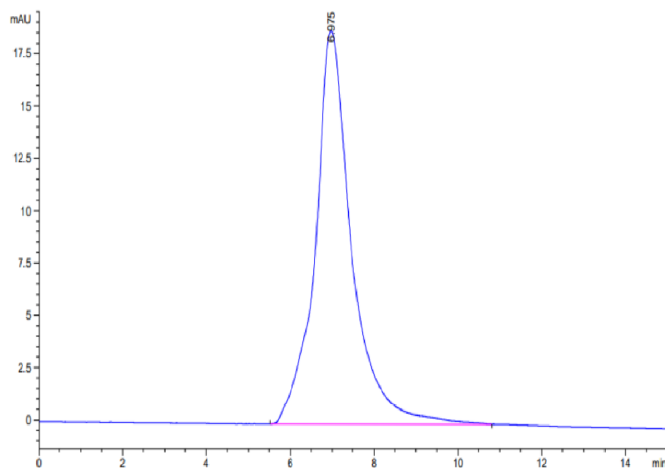
Biotinylated Human IL-1 Rrp2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

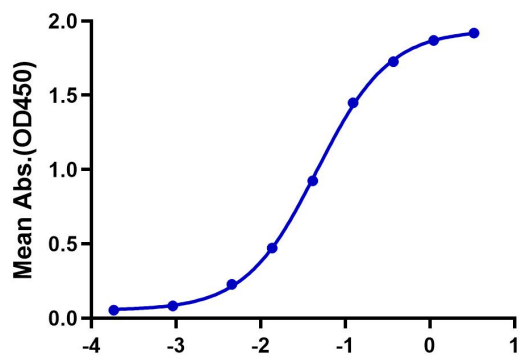


The purity of Biotinylated Human IL-1 Rrp2 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human IL-1 Rrp-2, His Tag ELISA

0.05µg Anti-IL-1 Rrp-2 Antibody, hFc Tag Per Well



Immobilized Anti-IL-1 Rrp-2 Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human IL-1 Rrp2, His Tag with the EC50 of 46.5ng/ml determined by ELISA.