

# Biotinylated Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein

Catalog No.: RP02596B Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 3556 Q9NPH3-1

**Tags** C-His&Avi

**Synonyms** 

IL1RAP; C3orf13; IL-1 R3; IL-1 RACP

## **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

42 kDa 52-70 kDa

#### **Endotoxin**

< 1 EU/ $\mu g$  of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

<u>a</u>	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

## **Background**

IL-1 Receptor Accessory Protein (IL-1 RAcP), also known as IL-1 R3, is a ubiquitously expressed 70-90 kDa member of the Interleukin-1 receptor family of proteins. It serves as a non-ligand-binding component of the receptors for IL-1 alpha, IL-1 beta, IL-33, and IL-36. IL-1 R3 is a coreceptor for IL1RL2 in the IL-36 signaling system. IL-1 R3 is a coreceptor with IL1R1 in the IL-1 signaling system. 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.

## **Basic Information**

#### **Description**

Biotinylated Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ser21-Glu359) of Human IL-1R3 fused with a His and Avi tag at the C-terminal.

### **Bio-Activity**

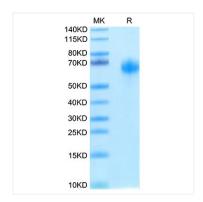
#### **Storage**

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

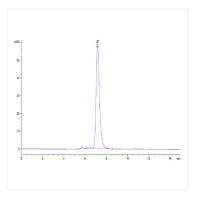
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

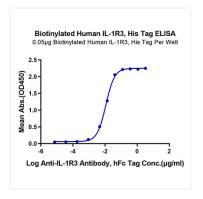
# **Validation Data**



Biotinylated Recombinant Human IL-1R3/IL-1RACP/IL1RAP Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human IL-1R3 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human IL-1R3 at  $0.5\mu g/ml$  (100 $\mu l/Well$ ) on the plate. Dose response curve for Anti-IL-1R3 Antibody, hFc Tag with the EC<sub>50</sub> of 11.3ng/ml determined by ELISA.