

RP02596B

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

Catalog No.: RP02596B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3556	Q9NPH3-1

Tags

C-His&Avi

Synonyms

IL1RAP; C3orf13; IL-1 R3; IL-1 RAcP

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

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Product Information

Source

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

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

Reconstitution

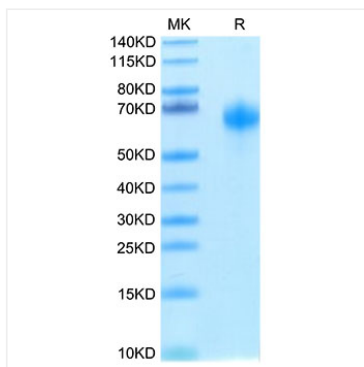
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Contact

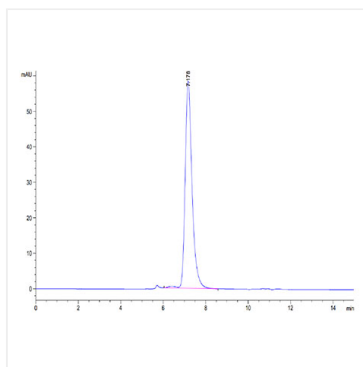


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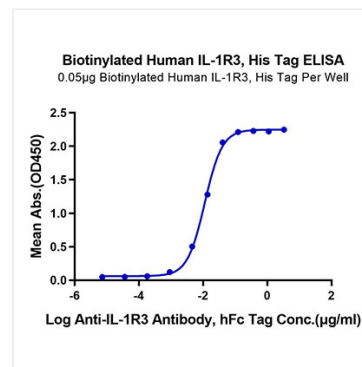
Validation Data



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 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-IL-1R3 Antibody, hFc Tag with the EC₅₀ of 11.3ng/ml determined by ELISA.