

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% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
42 kDa	52-70 kDa

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

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.

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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

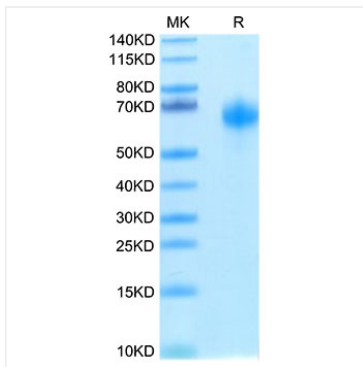
Biotinylated Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ser21-Glu359) of Human IL-1R3 fused with a His and Avi tag at the C-terminal.

Bio-Activity

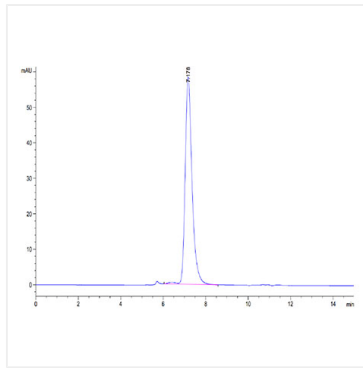
Storage

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.

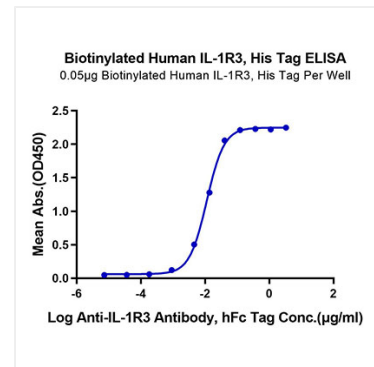
Validation Data



Biotinylated Human IL-1R3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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.