

Synonym

IL1RAP,IL-1RAcP,C3orf13,IL1R3

Source

Cynomolgus IL-1 RAcP, His Tag(ILP-C52H5) is expressed from human 293 cells (HEK293). It contains AA Ser 21 - Glu 359 (Accession # [G7NYP7-1](#)).

Predicted N-terminus: Ser 21

Molecular Characterization

IL-1 RAcP(Ser 21 - Glu 359)
G7NYP7-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 41.0 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.

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.

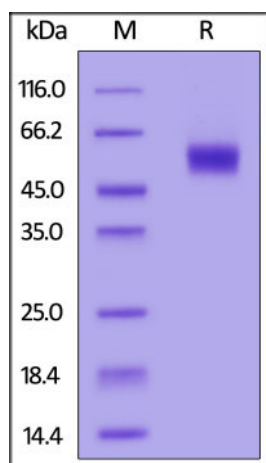
Storage

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:

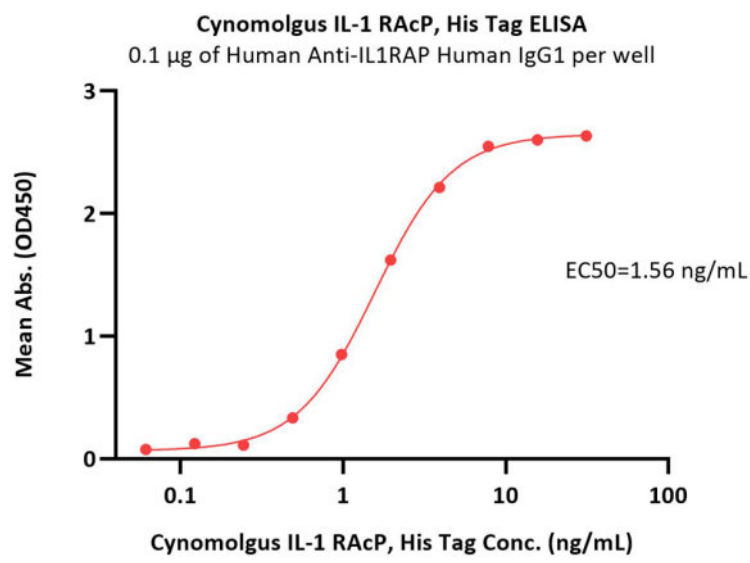
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Cynomolgus IL-1 RAcP, 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



Immobilized Human Anti-IL1RAP Human IgG1 at 1 µg/mL (100 µL/well) can bind Cynomolgus IL-1 RAcP, His Tag (Cat. No. ILP-C52H5) with a linear range of 0.2-4 ng/mL (QC tested).

Background

Interleukin-1 receptor accessory protein (IL1RAP or IL-1RAcP) is also known as Interleukin-1 receptor 3 (IL-1R-3 or IL-1R3), C3orf13, which belongs to the interleukin-1 receptor family. IL1RAP contains three Ig-like C2-type (immunoglobulin-like) domains and one TIR domain. IL1RAP is detected in liver, skin, placenta, thymus and lung. IL-1R3 / IL1RAP is coreceptor with IL1R1, 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.