

Biotinylated Cynomolgus IL-1 Rrp2 / IL-1 R6 Protein, His,Avitag™ (MALS verified)

Catalog # IL2-C82E5



Synonyms

IL-1 R6, IL-1 Rrp2, IL1RL2, IL-1RL2, IL1Rrp2, IL-1Rrp2, IL1RRP2, IL-36R

Source

Biotinylated Cynomolgus IL-1 Rrp2 Protein, His,Avitag (IL2-C82E5) is expressed from human 293 cells (HEK293). It contains AA Asp 20 - Arg 335 (Accession # [EHH61702.1](#)).

Predicted N-terminus: Asp 20

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 39.7 kDa. The protein migrates as 50-70 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the SABA assay / HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

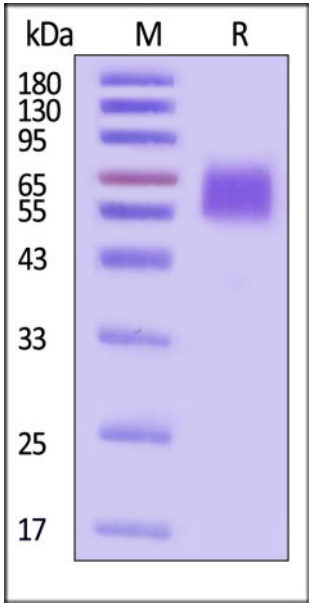
This product is stable after storage at:

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

ACRO Quality Management System

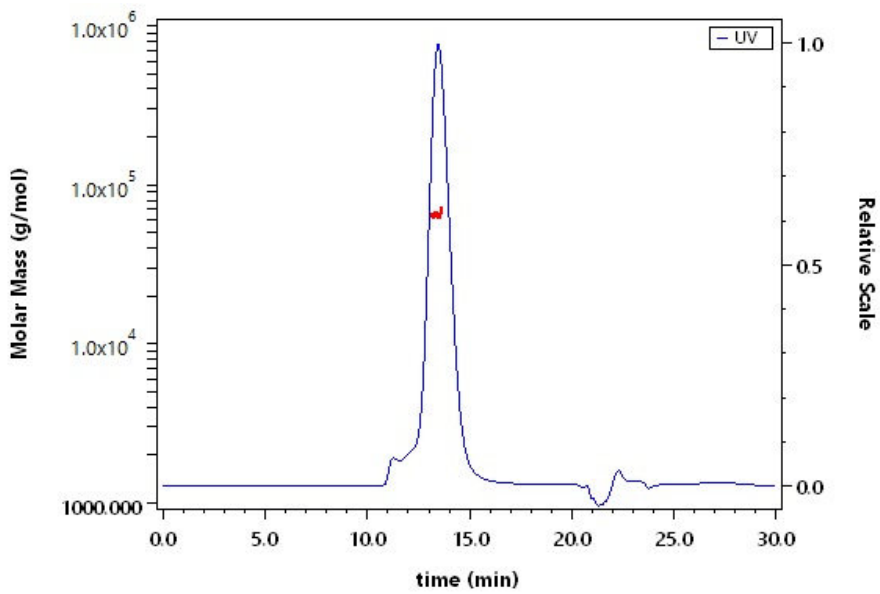
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Biotinylated Cynomolgus IL-1 Rrp2 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Cynomolgus IL-1 Rrp2 Protein, His,Avitag (Cat. No. IL2-C82E5) is more than 90% and the molecular weight of this protein is around 50-70 kDa verified by SEC-MALS.

Background

IL-1Rrp2 (interleukin-1 receptor-related protein 2), also known as IL-36R or IL-1R6, is a member of the IL-1 receptor family. Structurally, it contains three extracellular immunoglobulin-like domains for specific ligand recognition and a conserved intracellular Toll-interleukin-1 receptor (TIR) domain that mediates downstream signal transduction. It serves as the specific receptor for the pro-inflammatory cytokines IL-36 α , IL-36 β and IL-36 γ . Upon ligand engagement, it recruits the shared co-receptor IL-1RAcP to trigger NF- κ B and MAPK pathway activation, inducing pro-inflammatory cytokine and chemokine expression.



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