



Synonym

IL-21 R & IL-2 R gamma,IL21R & IL2RG,IL-21R & IL-2RG

Source

Human IL-21 R & IL-2 R gamma Heterodimer Protein, Fc Tag&Fc Tag(ILA-H52W9) is expressed from human 293 cells (HEK293). It contains AA Cys 20 - Pro 236 (IL-21 R) & Leu 23 - Asn 254 (IL-2 R gamma) (Accession # [Q9HBE5-1](#) (IL-21 R) & [P31785-1](#) (IL-2 R gamma)).

Predicted N-terminus: Cys 20 (IL-21 R) & Leu 23 (IL-2 R gamma)

Molecular Characterization

IL-21R (Cys 20 - Pro 236) Q9HBE5-1	Fc(Pro 100 - Lys 330) P01857
IL-2RG(Leu 23 - Asn 254) P31785-1	Fc(Pro 100 - Lys 330) P01857

The protein has a calculated MW of 51.5 kDa (IL-21 R) & 53.6 kDa (IL-2 R gamma). The protein migrates as 65 kDa and 70 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

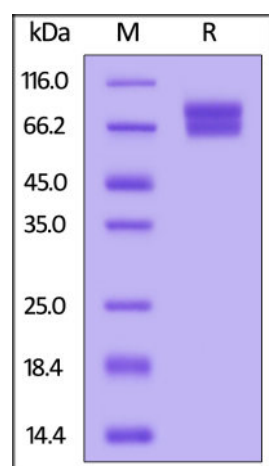
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

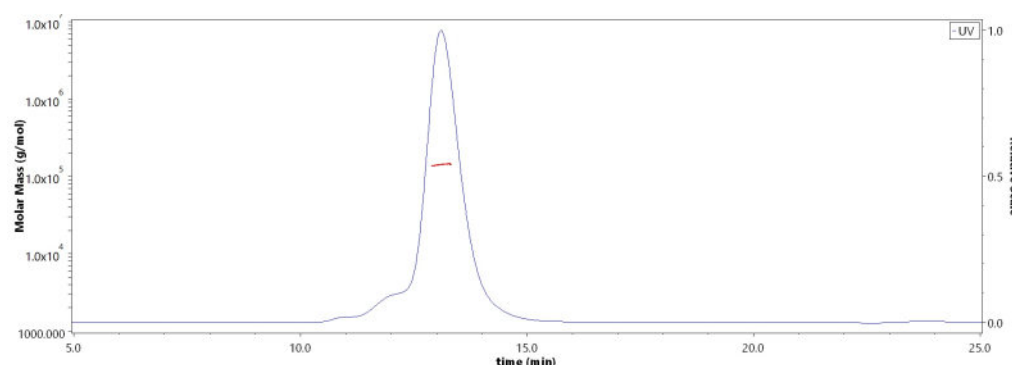
SDS-PAGE



Human IL-21 R & IL-2 R gamma Heterodimer Protein, Fc Tag&Fc 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

SEC-MALS



The purity of Human IL-21 R & IL-2 R gamma Heterodimer Protein, Fc Tag&Fc Tag (Cat. No. ILA-H52W9) is more than 85% and the molecular weight of this protein is around 128-156 kDa verified by SEC-MALS.

[Report](#)

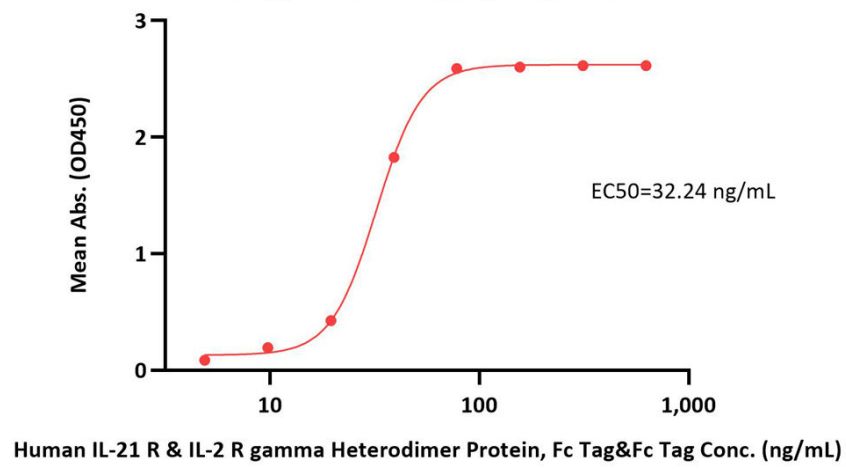
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and more!





Human IL-21 R & IL-2 R gamma Heterodimer Protein, Fc Tag&Fc Tag ELISA

0.5 µg of Human IL-21, Tag Free per well



Immobilized Human IL-21, Tag Free (Cat. No. IL1-H5213) at 5 µg/mL (100 µL/well) can bind Human IL-21 R & IL-2 R gamma Heterodimer Protein, Fc Tag&Fc Tag (Cat. No. ILA-H52W9) with a linear range of 5-78 ng/mL (QC tested).

Background

Interleukin (IL)-21, IL-2, IL-4, IL-7, IL-9, and IL-15 form a family of cytokines based on their sharing the common cytokine receptor γ chain (γ_c), which was originally discovered as the third receptor component of the IL-2 receptor, IL-2RG. IL-21 is a class I cytokine that exerts pleiotropic effects on both innate and adaptive immune responses. It signals through a heterodimeric receptor complex consisting of the IL-21 receptor (IL-21R) and the common γ -chain.

Clinical and Translational Updates

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