

Synonym

IL2RG,CD132,CIDX,IMD4,P64,SCIDX,SCIDX1,gammaC

Source

Human IL-2 R gamma, His Tag(ILA-H52H5) is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Asn 254 (Accession # [P31785-1](#)).

Predicted N-terminus: Leu 23

Molecular Characterization

IL-2 R gamma(Leu 23 - Asn 254)
P31785-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 29.3 kDa. The protein migrates as 55-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

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

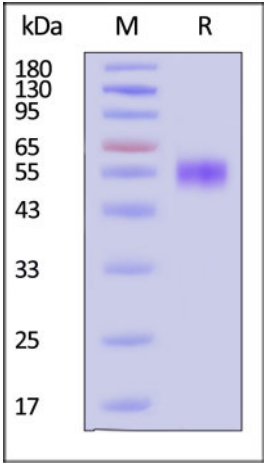
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

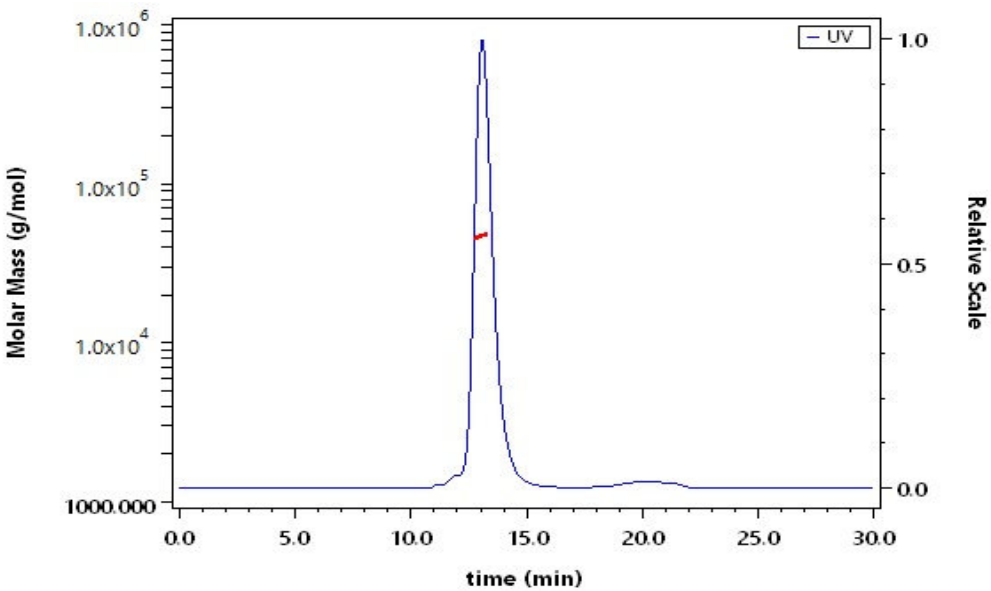
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human IL-2 R gamma, 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% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human IL-2 R gamma, His Tag (Cat. No. ILA-H52H5) is more than 85% and the molecular weight of this protein is around 50-60 kDa verified by SEC-MALS.

[Report](#)

Background

Discounts, Gifts,
and more!



Human IL-2 R gamma / CD132 Protein, His Tag (MALS verified)

Catalog # ILA-H52H5



BIOSYSTEMS
Acro

IL-2R is a heterotrimeric protein binds and responds to the cytokine IL-2. Three distinct chains of IL-2R, termed as α , β and γ , which are non-covalently associated are identified. The α and β chains are involved in binding IL-2, while signal transduction following cytokine interaction is carried out by the γ chain, along with the β subunit. The α chain of the IL-2R can bind to the β chain before receptor interaction with IL-2. The γ chain alone has a very weak affinity for IL-2, but after the ligand is bound to the α/β heterodimer, the γ chain becomes recruited to the complex to form a very stable macromolecular quaternary ligand/receptor complex. Interleukin-2 receptor subunit gamma (IL2RG), also known as cytokine receptor common subunit gamma, CD antigen CD132, gammaC, p64, which belongs to the type I cytokine receptor family or type 5 subfamily. IL2RG is located on the surface of immature blood-forming cells in bone marrow. Defects in IL2RG are the cause of severe combined immunodeficiency X-linked T-cell-negative/B-cell-positive/NK-cell-negative (XSCID).

Discounts, Gifts,
and more!



 www.acrobiosystems.com

8/6/2025