

Human IL-3 R alpha / CD123 Protein, His Tag, low endotoxin (MALS & SPR verified)

Catalog # ILA-H52H6



BIOSYSTEMS
Acro

Synonym

IL3R, IL3RA, IL-3Ra, IL-3R-alpha, IL3RAY, IL3RX, IL3RY, CD123 antigen, CD123, hIL3Ra, hIL-3Ra, MGC34174, IL-3 R alpha

Source

Human IL-3 R alpha, His Tag (ILA-H52H6) is expressed from human 293 cells (HEK293). It contains AA Thr 19 - Arg 305 (Accession # [P26951-1](#)).

Predicted N-terminus: Thr 19

Molecular Characterization

IL-3 R alpha(Thr 19 - Arg 305)
P26951-1

Poly-his

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

The protein has a calculated MW of 35.0 kDa. The protein migrates as 45-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% 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.

Storage

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

Please avoid repeated freeze-thaw cycles.

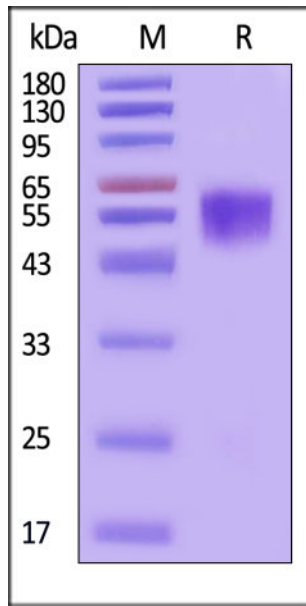
This product is stable after storage at:

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

ACRO Quality Management System

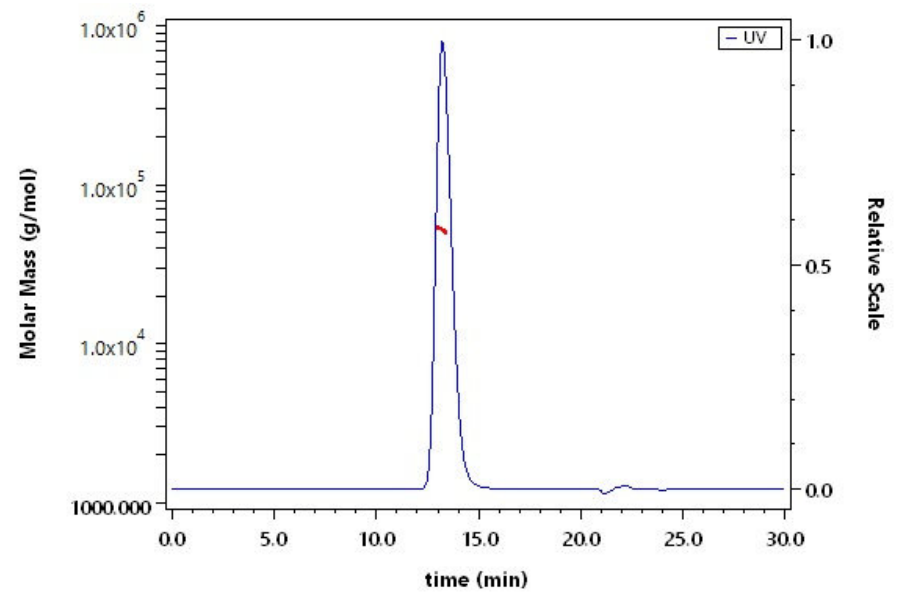
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



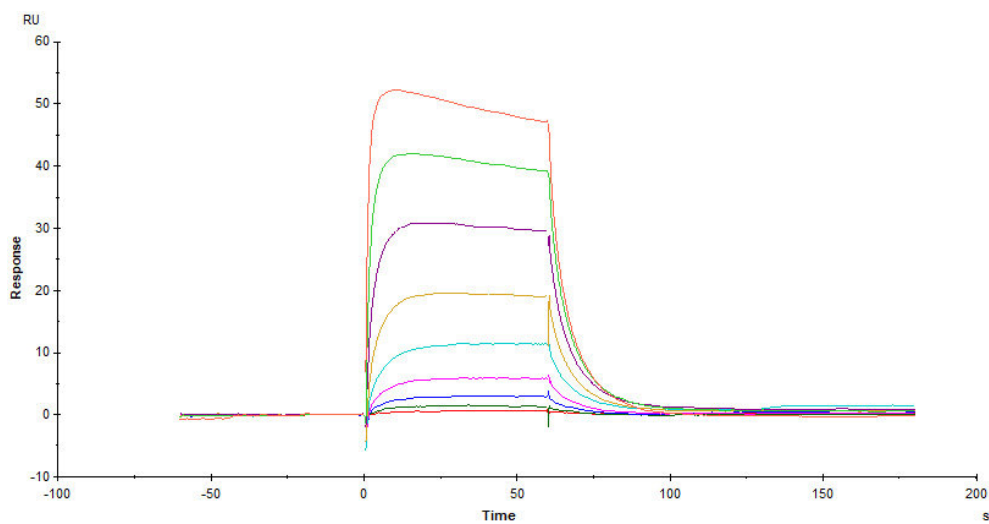
Human IL-3 R alpha, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human IL-3 R alpha, His Tag (Cat. No. ILA-H52H6) is more than 95% and the molecular weight of this protein is around 47-57 kDa verified by SEC-MALS.

Bioactivity-SPR



Human IL-3 R alpha, His Tag (Cat. No. ILA-H52H6) captured on CM5 Chip via anti-His antibody can bind Human IL-3, Tag Free with an affinity constant of 0.253 μ M as determined in SPR assay (Biacore T200) (QC tested).

Background

Interleukin 3 receptor alpha (low affinity) (IL3RA), also known as CD123 (Cluster of Differentiation 123) is a 70-kD glycoprotein member of the hematopoietin receptor superfamily. This protein associates with a beta subunit common to the receptors for IL-5 and granulocyte-macrophage colony-stimulating factor (GM-CSF) to form a high-affinity receptor for IL-3. The interleukin-3 receptor α chain (CD123) has been identified as a potential immunotherapeutic target because it is overexpressed in AML compared with normal hematopoietic stem cells.

Discounts, Gifts,
and more!



www.acrobiosystems.com



3/31/2026