

Human IL-23 alpha&Alpaca IL-12 beta Heterodimer Protein, His Tag&Tag Free (MALS verified)

Catalog # ILB-HA52W3



Synonym

IL-23 alpha & IL-12 beta

Source

Human IL-23A&Alpaca IL-12B Heterodimer Protein, His Tag&Tag Free (ILB-HA52W3) is expressed from human 293 cells (HEK293). It contains AA Arg 20 - Pro 189 & Ile 23 - Ser 330 (Accession # [Q9NPF7](#) & [A0A6I9IGP5](#)).

Predicted N-terminus: Arg 20 & Ile 23

Molecular Characterization

Poly-his	IL23A (Arg 20 - Pro 189) Q9NPF7
	IL12B (Ile 23 - Ser 330) A0A6I9IGP5

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

The protein has a calculated MW of 20.6 kDa & 34.8 kDa. The protein migrates as 22-23 kDa and 38-41 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a heterodimer.

Endotoxin

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

Purity

>90% 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.

Storage

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

Please avoid repeated freeze-thaw cycles.

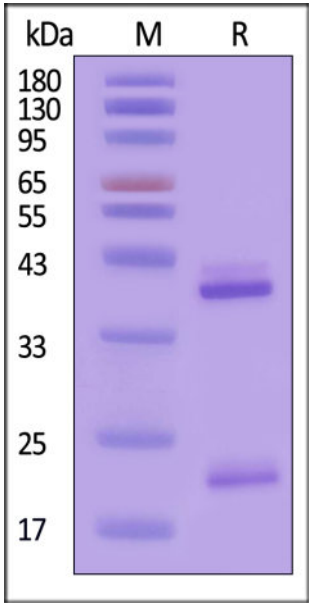
This product is stable after storage at:

- -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

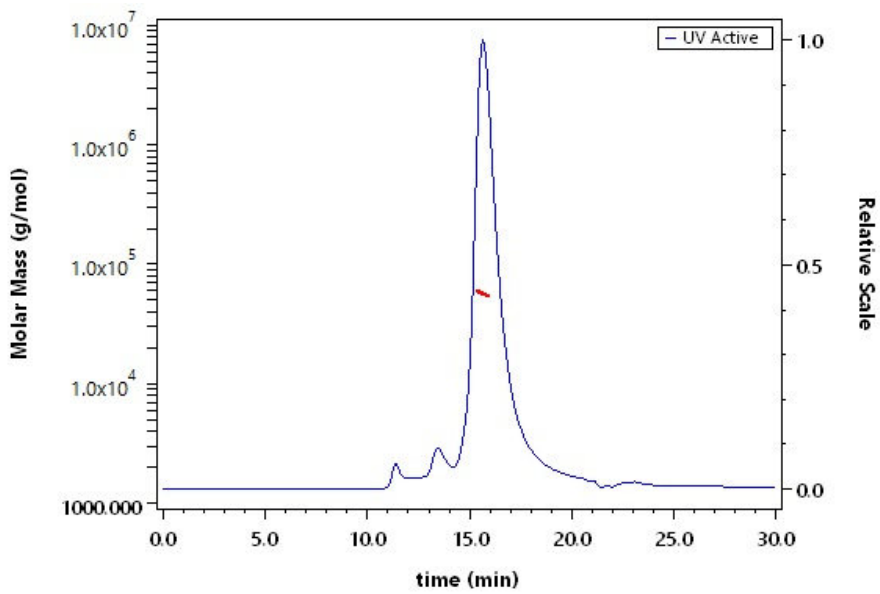
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



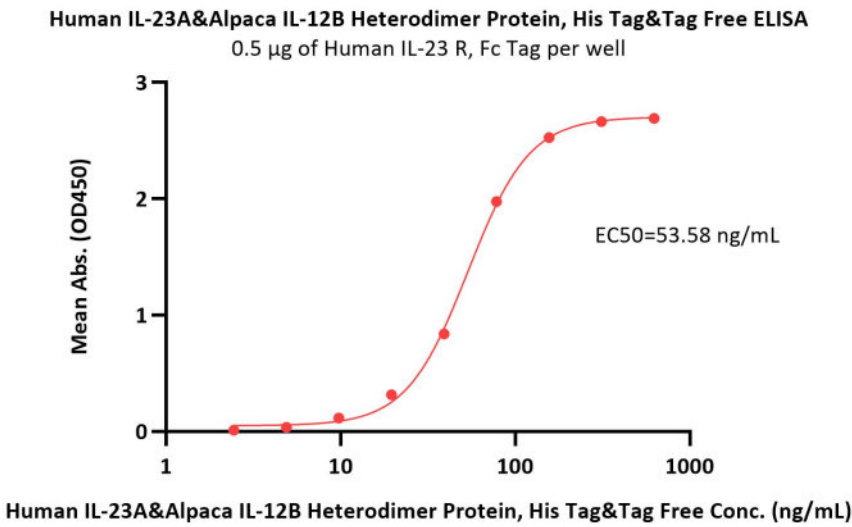
Human IL-23A&Alpaca IL-12B Heterodimer Protein, His Tag&Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human IL-23A&Alpaca IL-12B Heterodimer Protein, His Tag&Tag Free (Cat. No. ILB-HA52W3) is more than 90% and the molecular weight of this protein is around 50-65 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human IL-23 R, Fc Tag (Cat. No. ILR-H5254) at 5 µg/mL (100 µL/well) can bind Human IL-23A&Alpaca IL-12B Heterodimer Protein, His Tag&Tag Free (Cat. No. ILB-HA52W3) with a linear range of 2-156 ng/mL (QC tested).



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