

Human IL-17 RB Protein, His Tag (HPLC verified)

Catalog # ILB-H52H5



BIOSYSTEMS
Acro

Synonym

IL-17 RB, Interleukin-17 receptor B, Interleukin-17 receptor B, Cytokine receptor-like 4, IL-17 receptor homolog 1, IL-17Rh1, IL17Rh1, Interleukin-17B receptor, IL-17B receptor, IL17RB, CRL4, EVI27, IL17BR

Source

Human IL-17 RB Protein, His Tag (ILB-H52H5) is expressed from human 293 cells (HEK293). It contains AA Arg 18 - Pro 292 (Accession # [Q9NRM6-1](#)).

Predicted N-terminus: Arg 18

Molecular Characterization

IL-17 RB(Arg 18 - Pro 292) Q9NRM6-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 32.2 kDa. The protein migrates as 45-55 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.

>90% as determined by SEC-HPLC.

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.

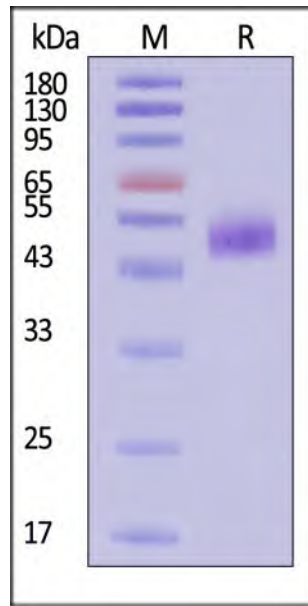
This product is stable after storage at:

- -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

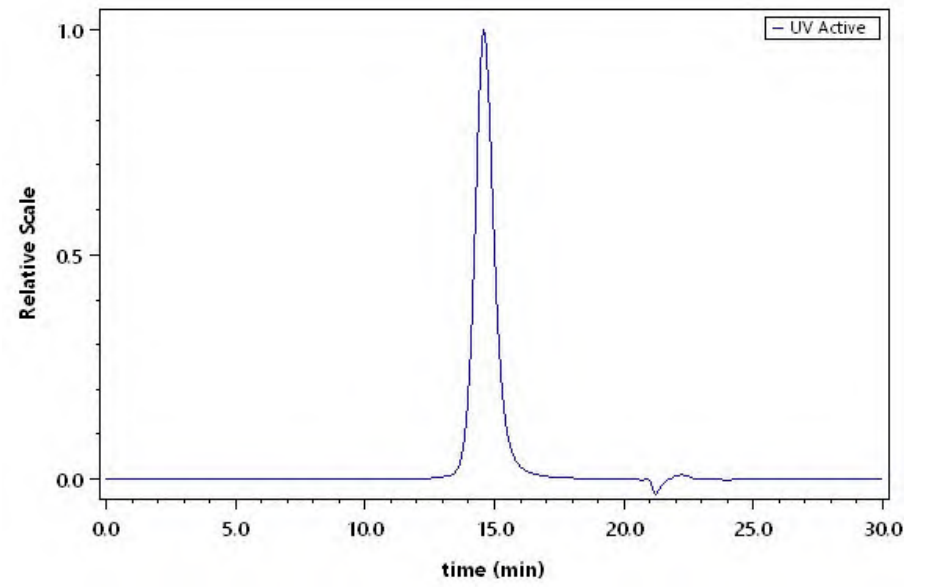
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



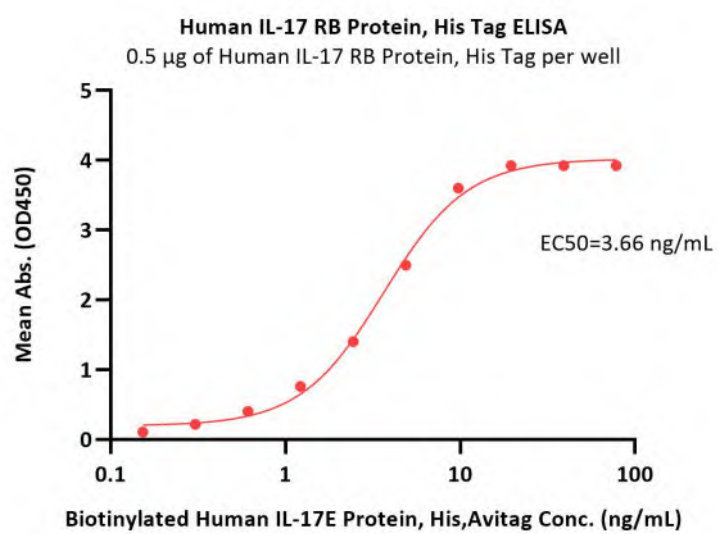
Human IL-17 RB Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC



The purity of Human IL-17 RB Protein, His Tag (Cat. No. ILB-H52H5) was greater than 90% as determined by SEC-HPLC.

Bioactivity-ELISA



Immobilized Human IL-17 RB Protein, His Tag (Cat. No. ILB-H52H5) at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-17E Protein, His,Avitag (Cat. No. IL5-H82E1) with a linear range of 0.2-10 ng/mL (QC tested).

Background

IL17RB (EVI27, IL17Rh1) is a single pass transmembrane receptor which belongs to IL17R family of cytokine receptors. It was found to be expressed in liver, brain, testis and lungs. The ligand for IL17RB is IL17E, also known as IL25. The five IL-17 receptors (IL17RA-IL17RE) exhibit considerable sequence divergence between one another, but all appear to contain extracellular domains composed of fibronectin type-III (FnIII) domains, and cytoplasmic SEF/IL-17R (SEFIR) domains that show loose homology to Toll/IL-1R (TLR) domains.

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