

Cynomolgus TSLP R Protein, His Tag (MALS verified)

Catalog # TSR-C52H3



BIOSYSTEMS
Acro

Synonym

TSLP R, CRLF2, IL-XR, ILXR, p2RY8, CRLF2 fusion, TSLP receptor, TSLPR, CRL2, CRLF2Y, Cytokine receptor-like 2

Source

Cynomolgus TSLP R Protein, His Tag (TSR-C52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Lys 231 (Accession # [G8F663](#)).

Predicted N-terminus: Gln 23

Molecular Characterization

TSLP R(Gln 23 - Lys 231)
G8F663

Poly-his

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

The protein has a calculated MW of 26.2 kDa. The protein migrates as 33-43 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

>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.

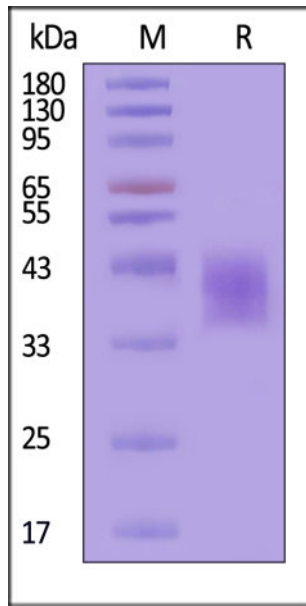
This product is stable after storage at:

- -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

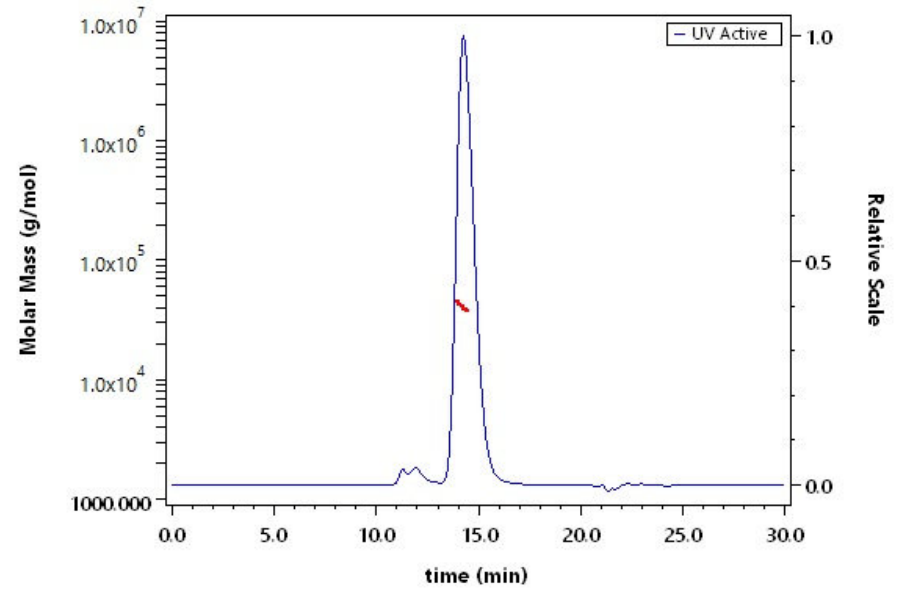
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



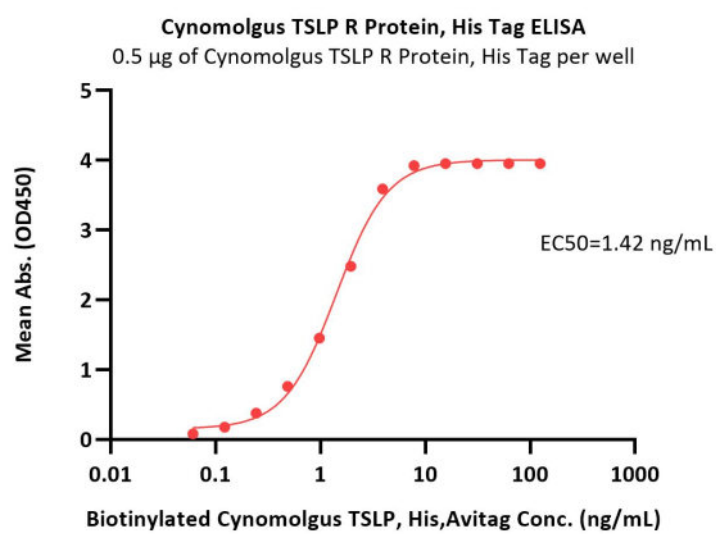
Cynomolgus TSLP R Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Cynomolgus TSLP R Protein, His Tag (Cat. No. TSR-C52H3) is more than 90% and the molecular weight of this protein is around 30-45 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Cynomolgus TSLP R Protein, His Tag (Cat. No. TSR-C52H3) at 5 µg/mL, add Cynomolgus IL-7 R alpha Protein, His Tag (Cat. No. IL7-C52H8) at 5 µg/mL and then add Biotinylated Cynomolgus TSLP, His, Avitag (Cat. No. TSP-C82E3). Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).

Background

The encoded protein is a receptor for thymic stromal lymphopoietin (TSLP), TSLP binding to a heterodimeric receptor complex composed of IL-7Ralpha and the TSLP receptor (TSLPR) activate STAT3, STAT5, and JAK2 pathways, which plays an important role in the regulation of immune responses to allergens.

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