



## Synonym

TSLP

## Source

Cynomolgus TSLP (R127A, R130S) Protein, His Tag(TSP-C52H4) is expressed from human 293 cells (HEK293). It contains AA Tyr 29 - Gln 159 (Accession # [A0A7N9CAT7-1](#) (R127A, R130S)).

Predicted N-terminus: Tyr 29

## Molecular Characterization



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

The protein has a calculated MW of 16.9 kDa. The protein migrates as 21-30 kDa under non-reducing (NR) 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-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

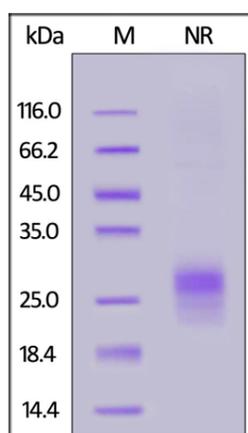
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

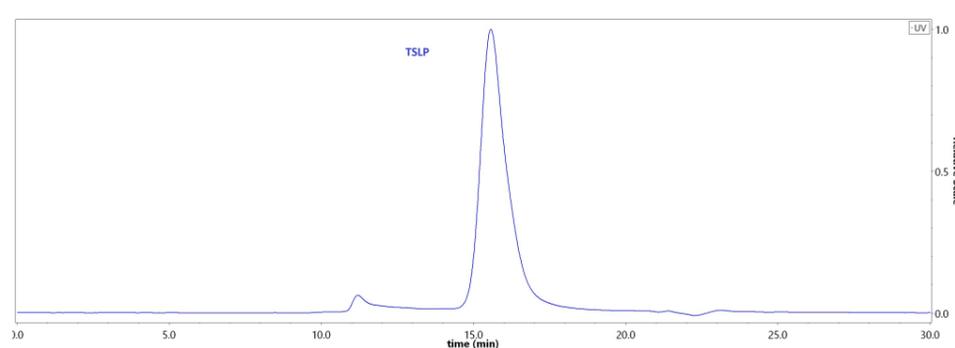
## SDS-PAGE



Cynomolgus TSLP (R127A, R130S) Protein, His Tag on SDS-PAGE under non-reducing (NR) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

## Bioactivity-ELISA

## SEC-HPLC



The purity of Cynomolgus TSLP (R127A, R130S) Protein, His Tag (Cat. No. TSP-C52H4) was greater than 90% as determined by SEC-HPLC.

Discounts, Gifts,  
and more!

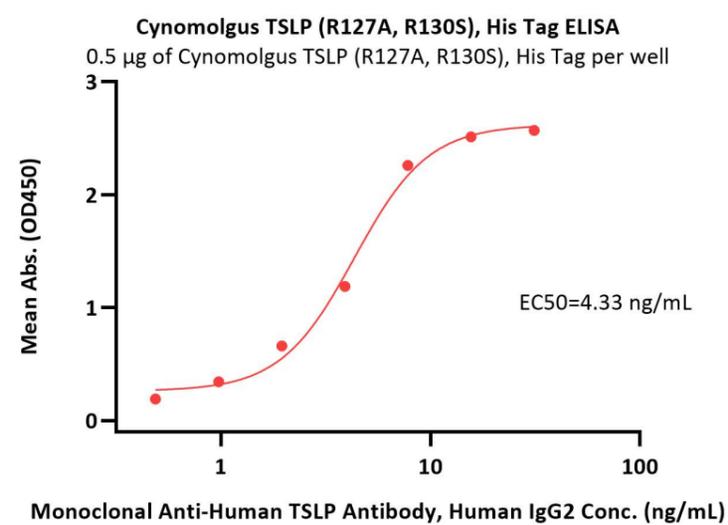
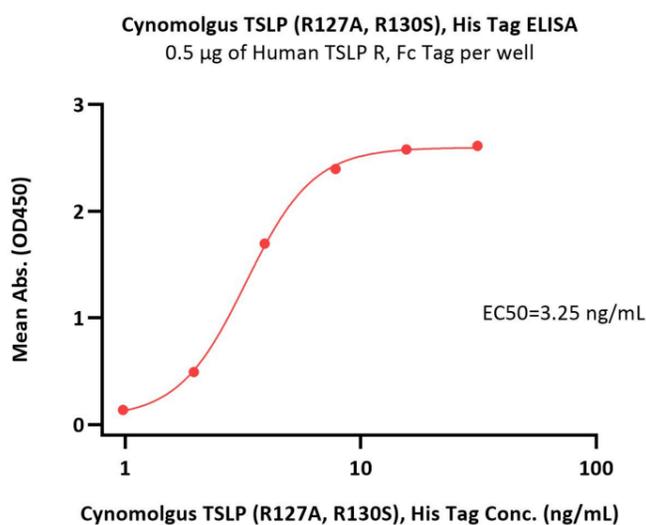


# Cynomolgus TSLP (R127A, R130S) Protein, His Tag (HPLC verified)

Catalog # TSP-C52H4



BIOSYSTEMS  
**Acro**



Immobilized Human TSLP R, Fc Tag (Cat. No. TSR-H525a) at 5 µg/mL (100 µL/well) can bind Cynomolgus TSLP (R127A, R130S), His Tag (Cat. No. TSP-C52H4) with a linear range of 1-4 ng/mL (QC tested).

Immobilized Cynomolgus TSLP (R127A, R130S), His Tag (Cat. No. TSP-C52H4) at 5 µg/mL (100 µL/well) can bind Monoclonal Anti-Human TSLP Antibody, Human IgG2 with a linear range of 0.5-8 ng/mL (Routinely tested).

## Background

Thymic stromal lymphopoietin (TSLP) is an epithelial cell-derived cytokine involved in the pathology of inflammatory skin diseases, and is widely expressed by epithelial cells. Human TSLP cDNA encodes a 159 amino acid (aa) residue precursor protein with a 28 aa signal sequence (4, 5). Human TSLP has been shown to developing nondeletional central tolerance, amplifying epithelium-induced class switching, inducing atopic diseases and maintaining intestinal noninflammatory environment. Among diverse cells responding to Human TSLP, CD11c<sup>+</sup> dendritic cells are the most obviously characterized target cells.

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