

# Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A) Protein

Catalog No.: RP02094B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	85480	Q969D9

### Tags

C-His&Avi

### Synonyms

TSLP

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
17.7 kDa	25-38 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Thymic Stromal Lymphopoietin (TSLP) was originally identified as an activity from the conditioned medium of a mouse thymic stromal cell line that promoted the development of B cells. Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c dendritic cells. Can induce allergic inflammation by directly activating mast cells.

## Basic Information

### Description

Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Tyr29-Gln159 (R127A, R130A)) of Human TSLP (R127A, R130A) fused with a His tag and Avi tag at the C-terminal.

### Bio-Activity

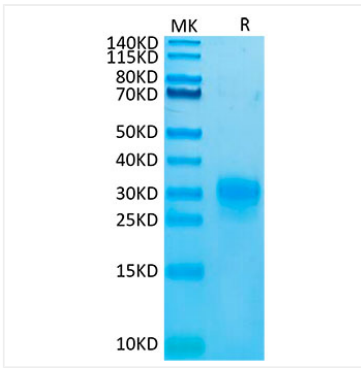
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

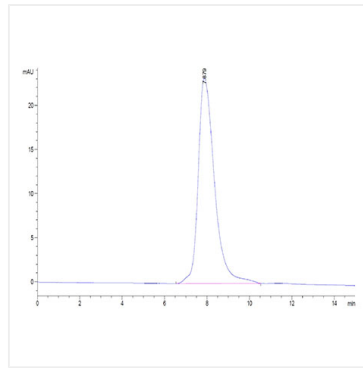
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

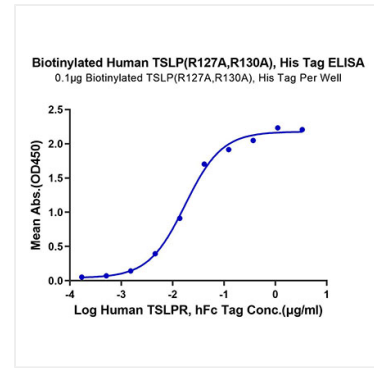
## Validation Data



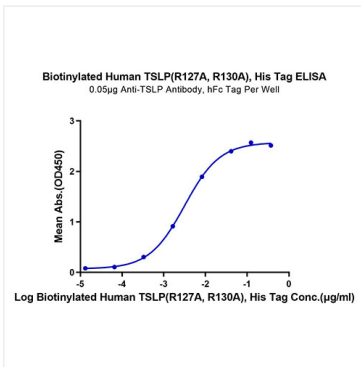
Biotinylated Human TSLP (R127A, R130A) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human TSLP (R127A, R130A) is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human TSLP (R127A, R130A), His Tag at 1µg/ml (100µl/Well). Dose response curve for Human TSLPR, hFc Tag with the  $EC_{50}$  of 17.5ng/ml determined by ELISA.



Immobilized Anti-TSLP Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TSLP (R127A, R130A), His Tag with the  $EC_{50}$  of 3.2ng/ml determined by ELISA.