# Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP Protein

**Catalog No.: RP02092B**

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## Sequence Information

**Species**
Human

**Gene ID**
85480

**Swiss Prot**
Q969D9

**Tags**
C-His&Avi

**Synonyms**
TSLP

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

**Calculated MW**
17.8 kDa

**Observed MW**
12, 25-30 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Tyr29-Gln159) of Human TSLP fused with a His tag and Avi tag at the C-terminal.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

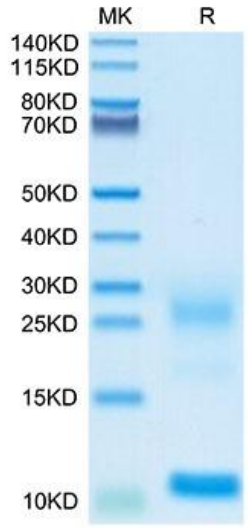
**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

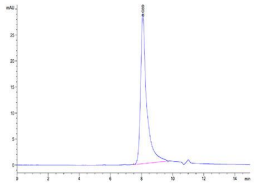


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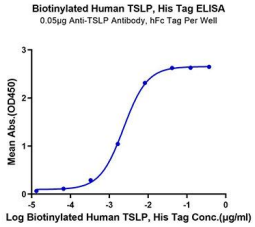
## Validation Data




Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human TSLP is greater than 95% as determined by SEC-HPLC.




Immobilized Anti-TSLP Antibody, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human TSLP, His Tag with the $EC_{50}$ of 2.3ng /ml determined by ELISA.