

Catalog No.: RP02094B **Recombinant**

Species	Gene ID	Swiss Prot
Human	85480	O969D9

C-His&Avi

TSLP

HEK293 cells

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

17.7 kDa

25-38 kDa

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

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

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.

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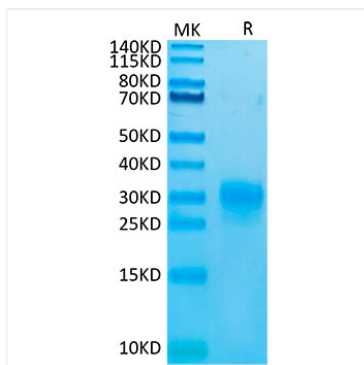
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Thymic Stromal Lymphopoietin (TSLP) was originally identified as an activity from the conditioned medium of a mouse thymic stromal cell line that promoted the development of B cells. Cytokine that induces the release of T-cell-attracting chemokines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

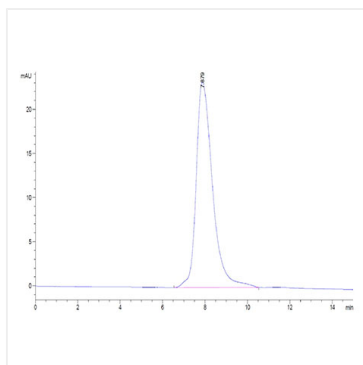
Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A)
Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Tyr29-Gln159 (R127A, R130A)) of Human TSLP (R127A, R130A) fused with a His tag and Avi tag at the C-terminal.

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.

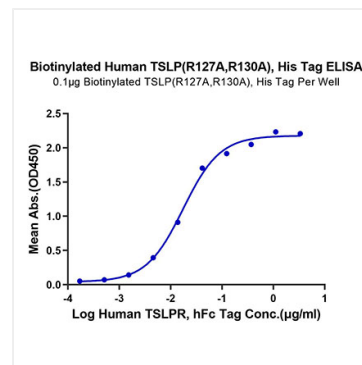
Validation Data



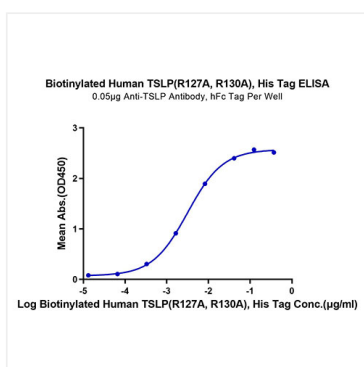
Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A) Protein was determined by Tris-Bis PAGE under reducing conditions.



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 EC₅₀ 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 EC₅₀ of 3.2ng/ml determined by ELISA.