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

Catalog No.: RP02094B

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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
17.7 kDa

Observed MW
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 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 (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.

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℃

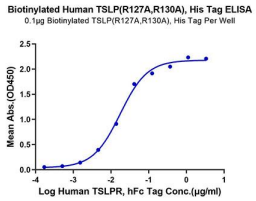
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

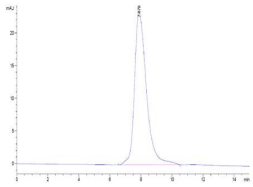
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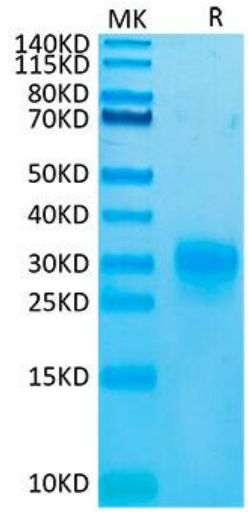
Validation Data



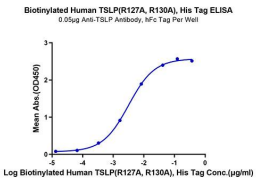
Immobilized Biotinylated Human TSLP (R127A, R130A) , His Tag at 1μg/ml (100μl /Well). Dose response curve for Human TSLPR, hFc Tag with the EC_{50} of 17.5ng/ml determined by ELISA.



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



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



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.