

Human TSLP (R127A, R130A) Protein



Cat. No. TSP-HM402

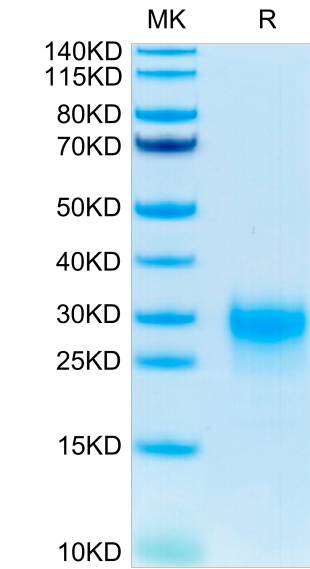
Description	
Source	Recombinant Human TSLP (R127A, R130A) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Tyr29-Gln159(R127A,R130A).
Accession	Q969D9-1
Molecular Weight	The protein has a predicted MW of 17.7 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.	

Assay Data

Bis-Tris PAGE



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

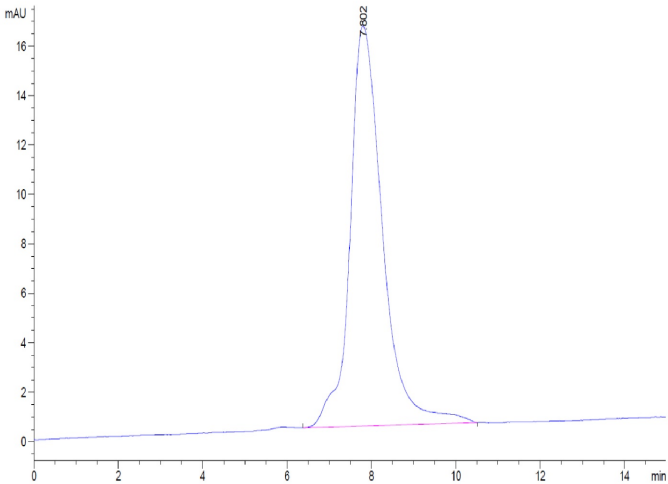
SEC-HPLC

Human TSLP (R127A, R130A) Protein

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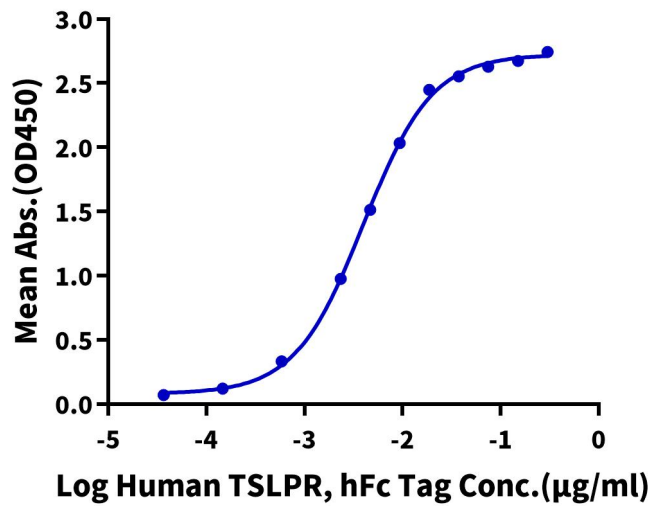
Assay Data



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

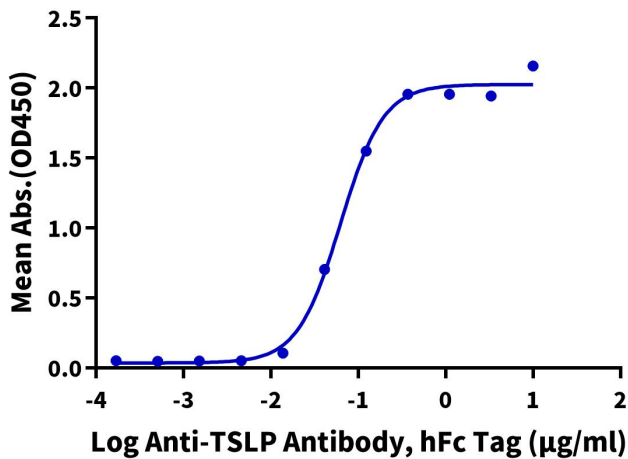
ELISA Data

Human TSLP (R127A, R130A), His Tag ELISA
0.2µg Human TSLP (R127A, R130A), His Tag Per Well



Immobilized Human TSLP (R127A, R130A), His Tag at 2µg/ml (100µl/Well). Dose response curve for Human TSLPR, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA (QC Test).

Human TSLP (R127A, R130A), His Tag ELISA
0.05ug Human TSLP (R127A, R130A), His Tag Per Well



Immobilized Human TSLP (R127A, R130A), His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-TSLP Antibody, hFc Tag with the EC50 of 62.6ng/ml determined by ELISA.