

# Canine TSLP (R127A, R130A) Protein, Ultra Low Endotoxin

Cat. No. TSP-DM101-UL

## Description

<b>Source</b>	Recombinant Canine TSLP (R127A, R130A) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Tyr28-Ser154 (R126A,R129A).
<b>Accession</b>	I1VWC7
<b>Molecular Weight</b>	The protein has a predicted MW of 15.95 kDa. Due to glycosylation, the protein migrates to 17-20 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

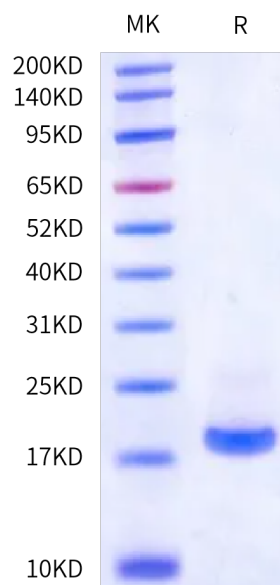
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-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

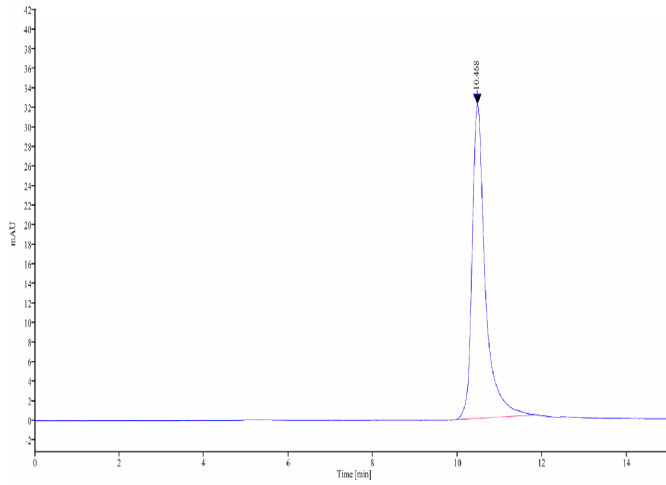
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



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