## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

29-159aa

## UniProt No.

Q969D9
NCBI Accession No.
NP_149024

## Alternative Names

Thymic stromal lymphopoietin

## PRODUCT SPECIFICATION

## Molecular Weight

17.3 kDa (154aa)

## Concentration

$0.25 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

Liquid in. 20 mM Tris-HCl buffer (pH 8.0) containing 10\% glycerol

## Purity

> 85\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE, Denatured

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80 C . Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

TSLP is a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c (+) dendritic cells. The protein promotes Thelper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary disease. TSLP is therefore considered a potential therapeutic target for the treatment of such diseases. Alternative splicing of
this gene results in multiple transcript variants. Recombinant human TSLP protein, fused to His-tag at Nterminus, was expressed in E. coli.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>YDFTNCD FEKIKAAYLS TISKDLITYM SGTKSTEFNN TVSCSNRPHC LTEIQSLTFN PTAGCASLAK EMFAMKTKAA LAIWCPGYSE TQINATQAMK KRRKRKVTTN KCLEQVSQLQ GLWRRFNRPL LKQQ

## General References

Datta A.,et al. (2013) J. Immunol. 191 (9), 4867-4879

DATA

## SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

