

Recombinant human TSLP protein

Catalog Number: ATGP2950

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

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM 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 +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. 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 T helper 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

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this gene results in multiple transcript variants. Recombinant human TSLP protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

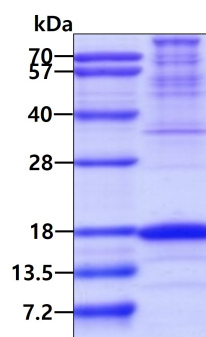
<MGSSHHHHHH SSGLVPRGSH MGS>YDFTNCD FEKIKAAAYLS TISKDLITYM SGTKSTEFNN TVSCSNRPHC LTEIQSLTFN
PTAGCASLAK EMFAMKTKAA LAIWCPGYSE TQINATQAMK KRRKRKVTTN KCLEQVSQLQ GLWRRFNRPL LKQQ

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.