

AR51770PU-N

Human TSLP (29-159, His-tag) - Purified

Alternate names:

Thymic stroma-derived lymphopoietin, Thymic stromal lymphopoietin

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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 this gene results in multiple transcript variants.

Uniprot ID:

[Q969D9](#)

NCBI:

[NP_149024](#)

GenelD:

[85480](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol.

Description:

Recombinant human TSLP protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSYDFTNCD FEKIKAAAYLS TISKDLITYM SGTKSTEFNN
TVSCSNRPHC LTEIQSLTFN PTAGCASLAK EMFAMKTKAA LAIWCPGYSE TQINATQAMK
KRRKRKVTNN KCLEQVSQLQ GLWRRFNRPL LKQQ

Molecular weight: 17.3 kDa (154aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

