Recombinant Human TSLP protein, His & T7-tagged

Cat. No. TSLP-6809H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSLP aa. (Tyr29~Gln159 (Accession # Q969D9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr29~Gln159
Description	This gene encodes 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. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. Alternative splicing of this gene results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

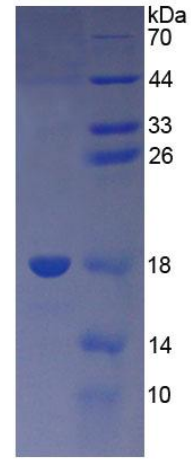
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Purity	>95%
Characteristic	The isoelectric point is 9.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TSLP thymic stromal lymphopoietin [Homo sapiens (human)]
Official Symbol	TSLP
Synonyms	thymic stromal lymphopoietin
Gene ID	85480
mRNA Refseq	NM_033035.4

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Protein Refseq	NP_149024.1
UniProt ID	Q969D9
SDS-PAGE	 15% SDS-PAGE

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