

Product datasheet for **AR51770PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	TSLP (29-159, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSYDFTNCD FEKIKAA YLS TISKDLITYM SGTKSTEFNN TVSCSNRPHC LTEIQSLTFN PTAGCASLAK EMFAMKTKAA LAIWCPGYSE TQINATQAMK KRRKRKVTTN KCLEQVSQ LQ GLWRRFRNRPL LKQQ
Tag:	His-tag
Predicted MW:	17.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TSLP protein, fused to His-tag at N-terminus, was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_149024
Locus ID:	85480
UniProt ID:	Q969D9
Cytogenetics:	5q22.1



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Summary:

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. In addition, the shorter (predominant) isoform is an antimicrobial protein, displaying antibacterial and antifungal activity against *B. cereus*, *E. coli*, *E. faecalis*, *S. mitis*, *S. epidermidis*, and *C. albicans*. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2020]

Protein Families:

Druggable Genome

Protein Pathways:

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images: