

Datasheet for ABIN7457999

**Thymic Stromal Lymphopoietin Protein (TSLP) (AA 29-159)  
(His tag,AVI tag,Biotin)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Protein Characteristics:	AA 29-159
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Thymic Stromal Lymphopoietin protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 29-159
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	Thymic Stromal Lymphopoietin (TSLP)
Alternative Name:	TSLP ( <a href="#">TSLP Products</a> )
Background:	Thymic stromal lymphopoietin (TSLP) is an epithelial cell-derived cytokine involved in the

## Target Details

pathology of inflammatory skin diseases, and is widely expressed by epithelial cells. Human TSLP cDNA encodes a 159 amino acid (aa) residue precursor protein with a 28 aa signal sequence (4, 5). Human TSLP has been shown to developing nondeletional central tolerance, amplifying epithelium-induced class switching, inducing atopic diseases and maintaining intestinal noninflammatory environment. Among diverse cells responding to Human TSLP, CD11c+ dendritic cells are the most obviously characterized target cells.

Molecular Weight:	18.6 kDa
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## Application Details

Comment:	<p>Ready-to-use Avitag<sup>TM</sup> biotinylated protein:</p> <p>The product is exclusively produced using the Avitag<sup>TM</sup> technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.</p>
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This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions:	For Research Use only
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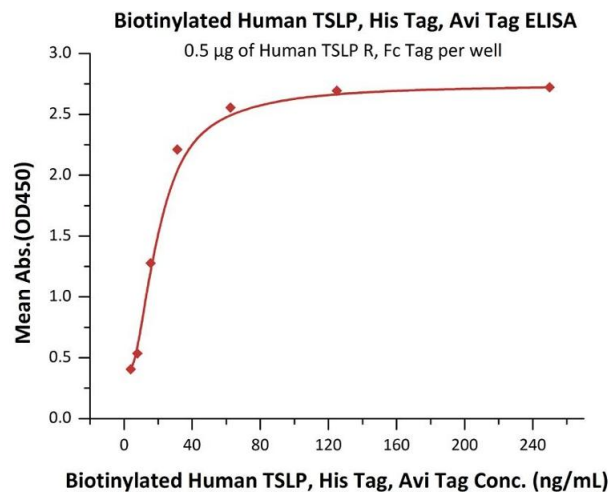
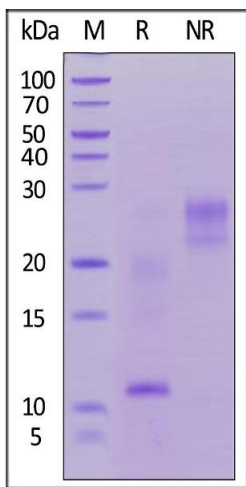
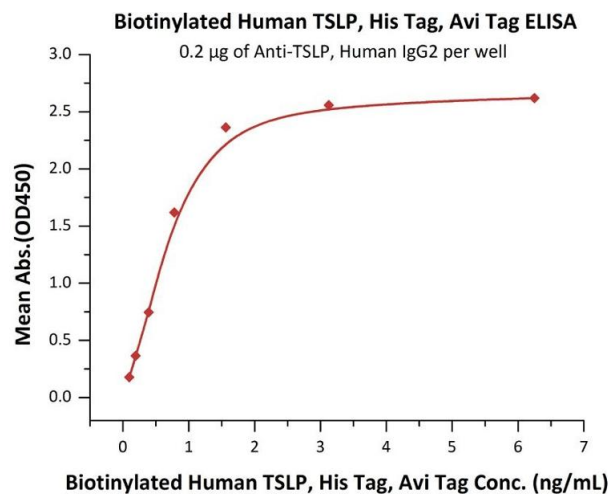
## Handling

Format:	Lyophilized
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Buffer:	PBS, pH 7.4
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Handling Advice:	Please avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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**ELISA**

**Image 1.** Immobilized A MAb, Human IgG2 at 2 µg/mL (100 µL/well) can bind Biotinylated Human TSLP, His,Avitag (ABIN5954931,ABIN6253633) with a linear range of 0.1-2 ng/mL (Routinely tested).

**SDS-PAGE**

**Image 2.** Biotinylated Human TSLP, His,Avitag on under reducing (R) and ing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85 % .

**ELISA**

**Image 3.** Immobilized Human TSLP R, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human TSLP, His,Avitag (ABIN5954931,ABIN6253633) with a linear range of 4-31 ng/mL (QC tested).