

# Recombinant Cynomolgus Thymic Stromal Lymphopoietin/TSLP (C-6His)

Catalog Number:PKSQ050102

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

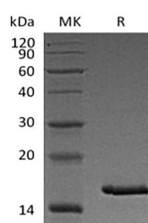
## Description

<b>Synonyms</b>	Thymic stromal lymphopoietin;Thymic stroma-derived lymphopoietin;TSLP
<b>Species</b>	Cynomolgus macaques
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Tyr29-Gln159(Glu37Gln)
<b>Accession</b>	XP_005557555.1
<b>Calculated Molecular Weight</b>	16.2 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Loaded Anti-Human TSLP mAb-Fc on Protein A Biosensor, can bind Cynomolgus TSLP-His with an affinity constant of 0.07 nM as determined in BLI assay.

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 6% Trehalose, 2% Glycine, 50mM NaCl, 0.05% Tween 80, pH7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Thymic stromal lymphopoietin (TSLP) is a protein belonging to the cytokine family, contains 140 amino acids. It is known to play an important role in the maturation of T cell populations through activation of antigen presenting cells. TSLP induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c+ dendritic cells. It can induce allergic inflammation by directly activating mast cells. TSLP is produced mainly by non-hematopoietic cells such as fibroblasts, epithelial cells and different types of stromal or stromal-like cells. These cells

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are located in regions where TSLP activity is required.

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