

TSLP Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	Thymic stromal lymphopietin;Thymic stroma-derived lymphopietin;Tslp
Protein Construction:	Tyr20-Glu140
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q9JIE6
Molecular Weight:	42-58 KDa (reducing condition)
AA Sequence:	Tyr20-Glu140

QC Testing

Biological Activity:	Immobilized Mouse TSLPR-Fc at 10µg/ml (100 µl/well) can bind Mouse TSLP-Fc* .*: Biotinylated by NHS-biotin prior to testing The ED50 of Recombinant Mouse TSLP-Fc is 0.5 ug/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Thymic stromal lymphopietin (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

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produced mainly by non-hematopoietic cells such as fibroblasts, epithelial cells and different types of stromal or stromal-like cells. These cells are located in regions where TSLP activity is required.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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