

TSLP Protein, Cynomolgus, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	TSLP;thymic stromal lymphopoietin
Protein Construction:	Tyr29-Gln159
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	XP_005557555.3
Molecular Weight:	18.1 kDa (Predicted); 8-12 kDa, 18-22 kDa and 25-30 kDa (Due to furin cleavage site)

QC Testing

Biological Activity:	Immobilized Biotinylated Cynomolgus TSLP, His Avi Tag at 1 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Human TSLPR, hFc Tag with the EC50 of 7.3 ng/ml determined by ELISA (QC Test).
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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 Lymphopoietin (TSLP) was originally identified as an activity from the conditioned medium of a mouse thymic stromal cell line that promoted the development of B cells. Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c dendritic cells. Can induce allergic inflammation by directly activating mast cells.

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