

Mouse TSLPR Protein, Ultra Low Endotoxin

Cat. No. TSP-MM10R-UL

Description

Source	Recombinant Mouse TSLPR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala20-Pro232.
Accession	Q8CII9-1
Molecular Weight	The protein has a predicted MW of 23.6 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

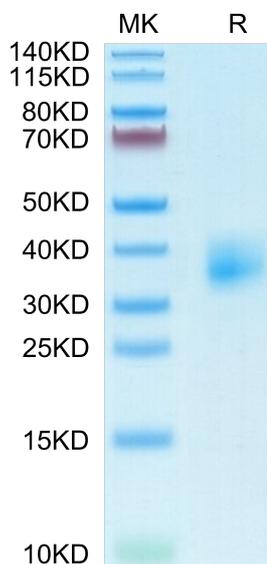
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The pro-inflammatory cytokine thymic stromal lymphopoietin (TSLP) plays a pivotal role in the pathophysiology of various allergy disorders that are mediated by type 2 helper T cell (Th2) responses, such as asthma and atopic dermatitis. TSLP forms a ternary complex with the TSLP receptor (TSLPR) and the interleukin-7-receptor subunit alpha (IL-7R α), thereby activating a signaling cascade that culminates in the release of pro-inflammatory mediators.

Assay Data

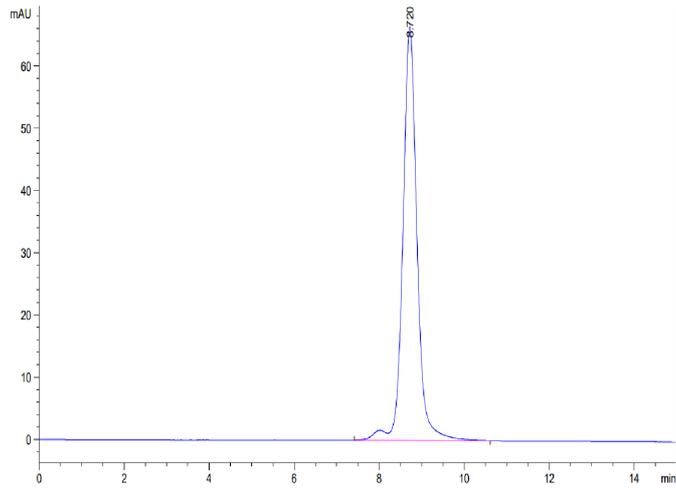
Bis-Tris PAGE



Mouse TSLPR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse TSLPR is greater than 95% as determined by SEC-HPLC.