

Datasheet for ABIN7275802

CRLF2 Protein (AA 25-231) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CRLF2
Protein Characteristics:	AA 25-231
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRLF2 protein is labelled with His tag.

Product Details

Purpose:	Human TSLPR Protein
Sequence:	Gly25-Lys231
Characteristics:	Recombinant Human TSLPR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly25-Lys231.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TSLPR, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC50 of 18.4ng/ml determined by ELISA. See testing image for detail.

Target Details

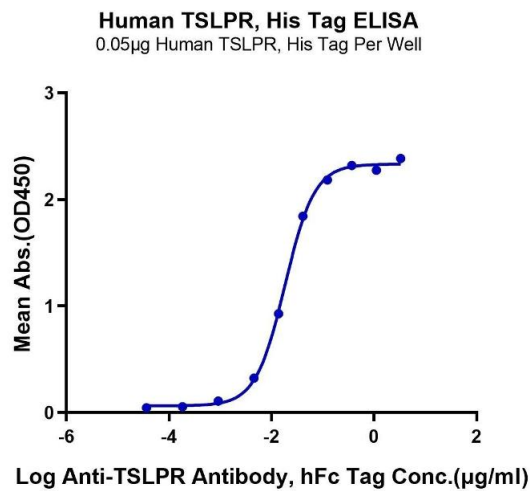
Target:	CRLF2
Alternative Name:	TSLPR (CRLF2 Products)
Background:	TSLP is an epithelial cell-derived cytokine synthesized in response to various stimuli, including protease allergens and microorganisms like viruses and bacteria. Biological functions of TSLP require heterodimer formation between the TSLP receptor (TSLPR) and IL-7 receptor- α , which polarize dendritic cells to induce type 2 inflammation and directly expand and/or activate Th2 cells, group 2 innate lymphoid cells, basophils, and other immune cells.
Molecular Weight:	25.1 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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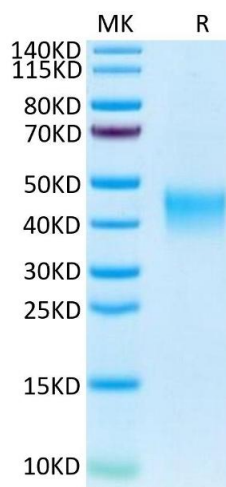
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



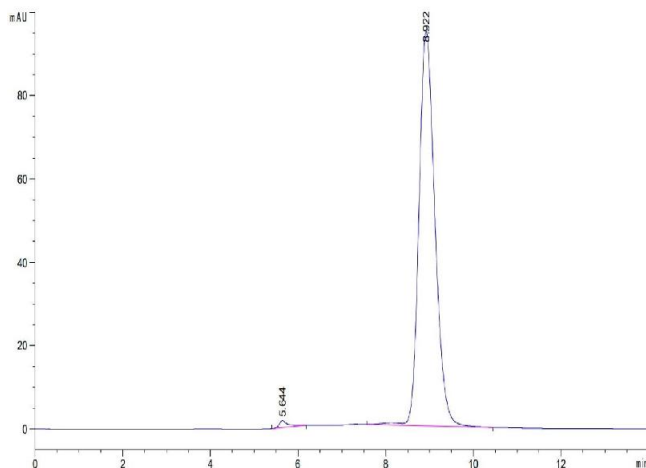
ELISA

Image 1. Immobilized Human TSLPR, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC50 of 18.4 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human TSLPR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human TSLPR is greater than 95 % as determined by SEC-HPLC.