Recombinant Human TSLPR Protein

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Catalog No.: RP02623 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 64109 09HC73-1

Tags

C-hFc

Synonyms

TSLP receptor; TSLPR; CRL2; CRLF2Y; CRLF2; IL-XR; p2RY8/CRLF2 fusion; CRLF2

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as

HPLC.

determined by

Calculated MW Observed MW

50.8 kDa 60-75 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Thymic stromal lymphopoietin (TSLP) is an interleukin-7 (IL-7) like cytokine, which plays an important role in the regulation of immune responses to allergens. TSLP binds to a heterodimeric receptor complex composed of the IL-7 receptor alpha chain (IL-7Ralpha) and the TSLP receptor (TSLPR, also known as CRLF2).

Basic Information

Description

Recombinant Human TSLPR Protein is expressed from Expi293 with hFc tag at the C-terminal. [It contains Gly25-Lys231.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

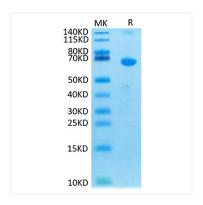
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

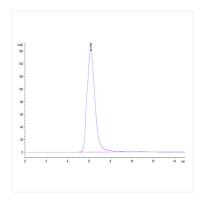
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

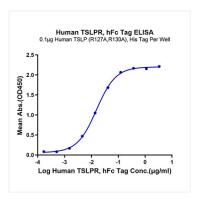
Validation Data



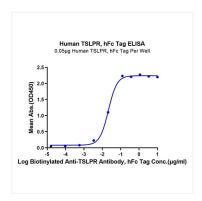
Recombinant Human TSLPR Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Human TSLP (R127A, R130A) at 1 μ g/ml (100 μ l/Well). Dose response curve for Human TSLPR, hFc Tag with the EC $_{50}$ of 15.5ng/ml determined by ELISA.



Immobilized Human TSLPR, hFc Tag at $0.5\mu g/ml$ (100 μ l/well) on the plate. Dose response curve for Biotinylated Anti-TSLPR Antibody, hFc Tag with the EC₅₀ of 21.4ng/ml determined by ELISA.