



### Synonym

TSLP R,CRLF2,IL-XR,ILXR,p2RY8,CRLF2 fusion,TSLP receptor,TSLPR,CRL2,CRLF2Y,Cytokine receptor-like 2

### Source

Human TSLP R, Fc Tag(TSR-H525a) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Lys 231 (Accession # [Q9HC73-1](#)).  
Predicted N-terminus: Gly 25

### Molecular Characterization

TSLP R(Gly 25 - Lys 231) Q9HC73-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 50.4 kDa. The protein migrates as 60-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

### Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

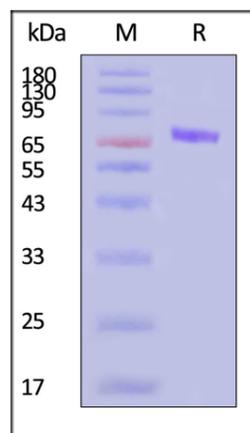
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

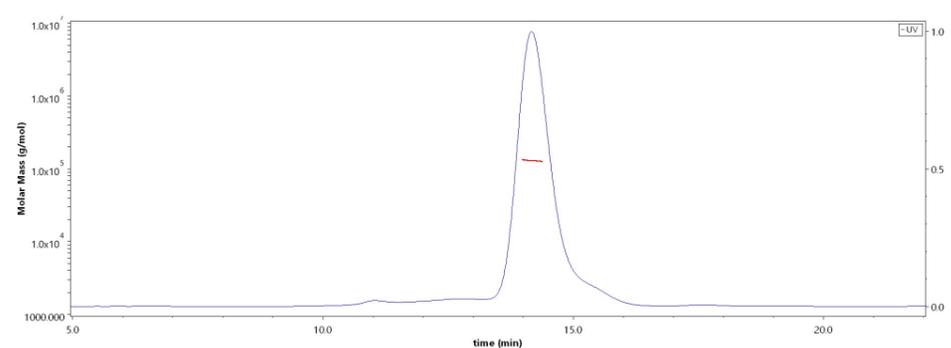
### SDS-PAGE



Human TSLP R, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

### Bioactivity-ELISA

### SEC-MALS



The purity of Human TSLP R, Fc Tag (Cat. No. TSR-H525a) is more than 90% and the molecular weight of this protein is around 115-140 kDa verified by SEC-MALS.

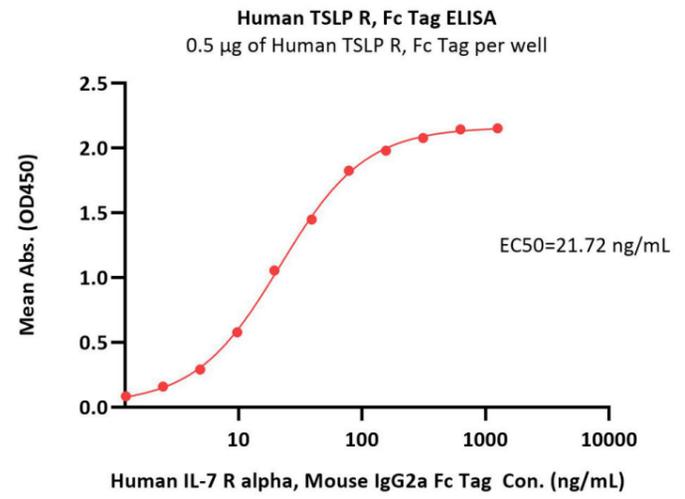
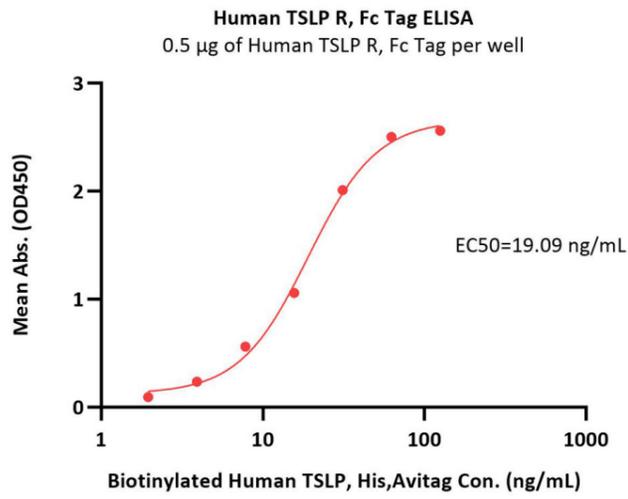
[Report](#)

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and more!



# Human TSLP R Protein, Fc Tag (MALS verified)

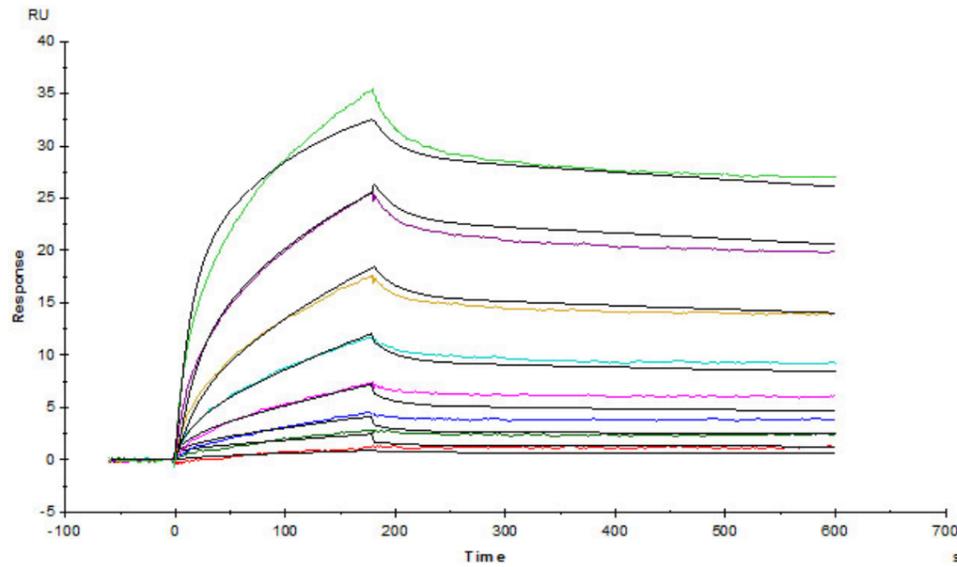
Catalog # TSR-H525a



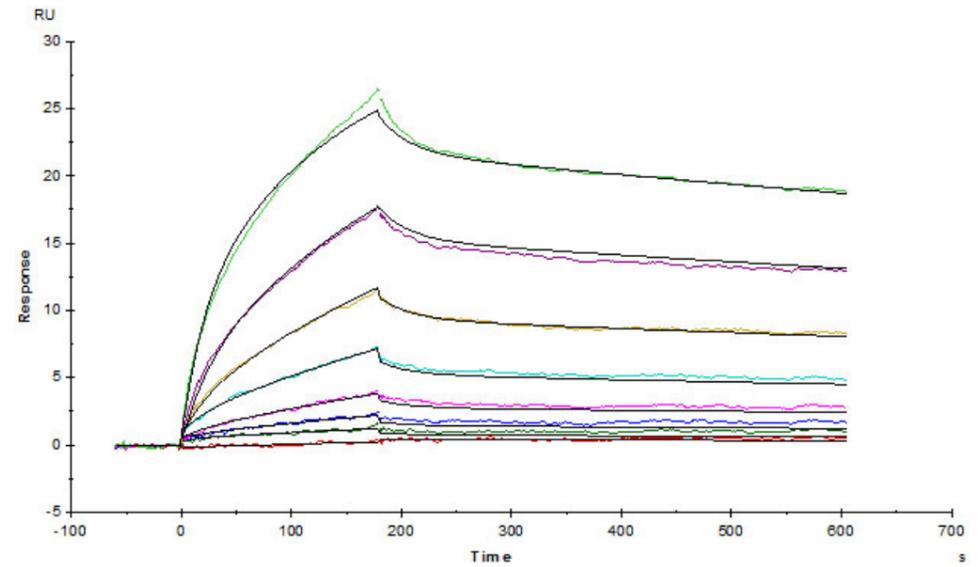
Immobilized Human TSLP R, Fc Tag (Cat. No. TSR-H525a) at 5 µg/mL (100 µL/well) can bind Biotinylated Human TSLP, His,Avitag (Cat. No. TSP-H82Eb) with a linear range of 4-31 ng/mL (QC tested).

Biotinylated Human TSLP (R127A, R130A), His,Avitag (Cat. No. TSP-H82E0) immobilized at 2 µg/mL (100 µL/well) via precoated 5 µg/mL (100 µL/well) of Human TSLP R, Fc Tag (Cat. No. TSR-H525a), can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag (Cat. No. IL7-H5258) with a linear range of 1-39 ng/mL (Routinely tested).

## Bioactivity-SPR

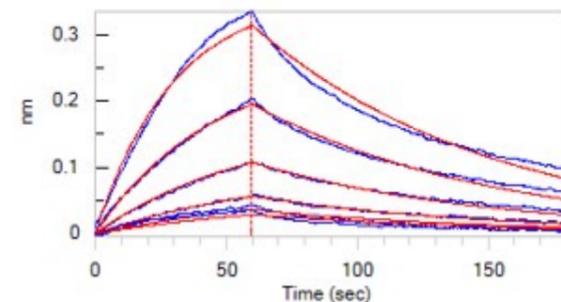
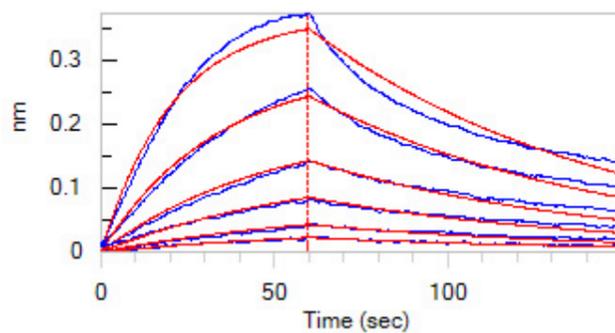


Captured Human TSLP Protein, His Tag, premium grade (Cat. No. TSP-H52Hb) on CM5 Chip via anti-His antibody, can bind Human TSLP R, Fc Tag (Cat. No. TSR-H525a) with an affinity constant of 1.81 nM as determined in SPR assay (Biacore T200) (Routinely tested).



Captured Human TSLP (R127A, R130A), His Tag (Cat. No. TSP-H52Ha) on CM5 Chip via anti-His antibody, can bind Human TSLP R, Fc Tag (Cat. No. TSR-H525a) with an affinity constant of 4.22 nM as determined in SPR assay (Biacore T200) (Routinely tested).

## Bioactivity-BLI



Loaded Human TSLP R, Fc Tag (Cat. No. TSR-H525a) on Protein A Biosensor, can bind Human TSLP Protein, His Tag, premium grade (Cat. No. TSP-H52Hb) with an affinity constant of 1.81 nM as determined in BLI assay (Molecular Bracor).

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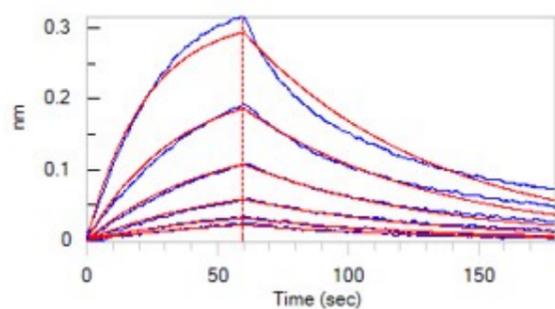
## Human TSLP R Protein, Fc Tag (MALS verified)

Catalog # TSR-H525a

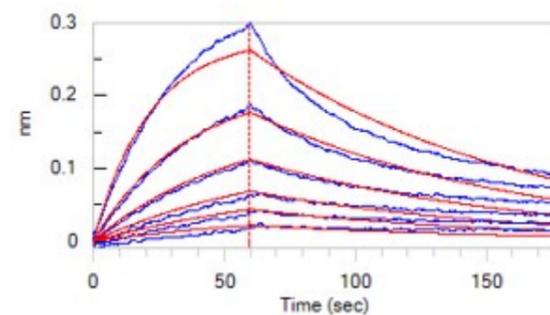


BIOSYSTEMS  
**Acro**

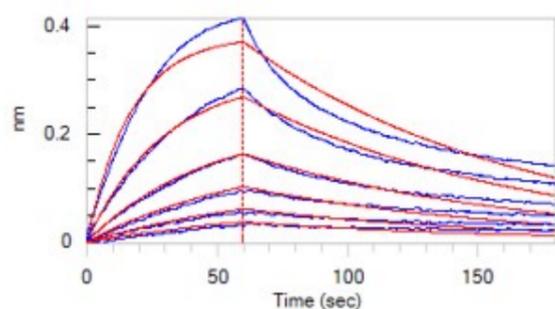
Loaded Human TSLP R, Fc Tag (Cat. No. TSR-H525a) on Protein A Biosensor, can bind Human TSLP (R127A, R130A), His Tag (Cat. No. TSP-H52Ha) with an affinity constant of 16 nM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).



TSP-H52Hb) with an affinity constant of 24.7 nM as determined in BLI assay (ForteBio Octet R8) (Routinely tested).



Loaded Human TSLP R, Fc Tag (Cat. No. TSR-H525a) on Protein A Biosensor, can bind Human TSLP Protein (R127A, R130A), His Tag (Cat. No. TSP-H5243) with an affinity constant of 23 nM as determined in BLI assay (ForteBio Octet R8) (Routinely tested).



Loaded Human TSLP R, Fc Tag (Cat. No. TSR-H525a) on Protein A Biosensor, can bind Biotinylated Human TSLP, His,Avitag (Cat. No. TSP-H82Eb) with an affinity constant of 13.2 nM as determined in BLI assay (ForteBio Octet R8)(Routinely tested).

Loaded Human TSLP R, Fc Tag (Cat. No. TSR-H525a) on Protein A Biosensor, can bind Biotinylated Human TSLP (R127A, R130A) Protein, His,Avitag (Cat. No. TSP-H82E0) with an affinity constant of 9.67 nM as determined in BLI assay (ForteBio Octet R8) (Routinely tested).

### Background

Receptor for thymic stromal lymphopoietin (TSLP). CRLF2 / TSLPR is a member of the type I cytokine receptor family. Together with the interleukin 7 receptor (IL7R) and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system.

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