

# Recombinant Human TSLP protein, His-Avi-tagged, Biotinylated

**Cat. No.** TSLP-1391H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human TSLP protein(Q969D9-1)(Tyr29-Gln159), fused with C-terminal His and Avi tag, was expressed in HEK293.                                           |
| <b>Species</b>           | Human                                                                                                                                                                          |
| <b>Source</b>            | HEK293                                                                                                                                                                         |
| <b>ProteinLength</b>     | Tyr29-Gln159                                                                                                                                                                   |
| <b>Tag</b>               | C-His-Avi                                                                                                                                                                      |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                         |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                 |
| <b>Bio-activity</b>      | Immobilized Human TSLPR, His Tag at 5ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Human TSLP, His Tag with the EC50 of 0.71ug/ml determined by ELISA. |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 17.8 kDa. Due to glycosylation, the protein migrates to 12 kDa&25-30 kDa based on Tris-Bis PAGE result.                                      |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                        |

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|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                            |
| <b>Storage</b>        | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b> | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                    |
|------------------------|----------------------------------------------------|
| <b>Gene Name</b>       | TSLP thymic stromal lymphopoietin [ Homo sapiens ] |
| <b>Official Symbol</b> | TSLP                                               |
| <b>Synonyms</b>        | TSLP; thymic stromal lymphopoietin;                |
| <b>Gene ID</b>         | 85480                                              |
| <b>mRNA Refseq</b>     | NM_033035                                          |
| <b>Protein Refseq</b>  | NP_149024                                          |
| <b>MIM</b>             | 607003                                             |
| <b>UniProt ID</b>      | Q969D9                                             |

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