

## Product Datasheet

# Recombinant Human Thymic stromal lymphopoietin (TSLP) (R127A,R130A) (Active) (orb2659514)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb2659514                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>       | Recombinant Human Thymic stromal lymphopoietin (TSLP) (R127A,R130A) (Active)                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxins</b>        | Less than 1.0 EU/ug as determined by LAL method.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Preservatives</b>     | Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4                                                                                                                                                                                                                                                                                                                                        |
| <b>Form/Appearance</b>   | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                             |
| <b>Tag</b>               | C-terminal 10xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application notes</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>Protein Sequence</b>  | YDFTNCDFEIKIAAYLSTISKDLITYMSGTKSTEFNNTVSCSNRPHCLTEIQSLTFNPTAGCAS<br>LAKEMFAMKTKAALAIWCPGYSETQINATQAMKKARKAKVTTNKCLEQVSQQLQLWRRFN<br>RPLLKQQ                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                              |

### Biorbyt Ltd.

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

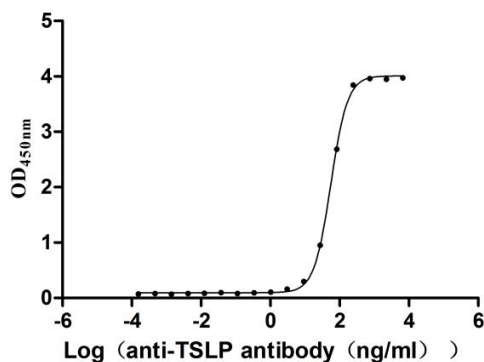
### Biorbyt LLC.

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

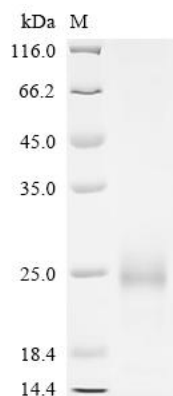
**MW** 16.6 kDa

**Uniprot ID** **Q969D9**

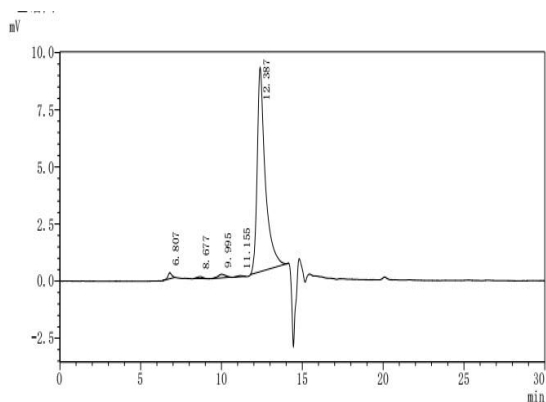
**Expiration Date** 6 months from date of receipt.



Measured by its binding ability in a functional ELISA. Immobilized human TSLP (R127A, R130A) at 2 µg/ml can bind Anti-TSLP recombinant antibody. The EC<sub>50</sub> is 52.55-58.67 ng/mL.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



The purity of TSLP was greater than 95% as determined by SEC-HPLC

#### Biorbyt Ltd.

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

#### Biorbyt LLC.

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)