

# Human TSLP Recombinant Protein



RPPB1044

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## Product Information    Protein Information

**Product SKU:**

RPPB1044

**Accession:**

Q969D9

**Host:**

Escherichia Coli.

**Protein description:**

TSLP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular mass of 15 kDa. The TSLP is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Thymic Stromal Lymphopoietin, TSLP.

**Formulation:**

Lyophilized from a concentrated solution (1mg/ml) contains 130mM NaCl, and 20mM sodium phosphate, pH 7.4.

**Purity:**

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized TSLP in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized TSLP although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TSLP should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MYDFTNCDFE KIKAAYLSTI SKDLITYMSG TKSTEFNNTV SCSNRPHCLT EIQLTFNPT AGCASLAKEM  
FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTNKC LEQVSQLQGL WRRFNRPLLK QQ.

**Biological Activity:**

The ED<sub>50</sub> is determined by the ability to induce proliferation of human Interleukin-7 receptor alpha & human TSLP Receptor co-transfected with mouse BaF3 cells which was found to be less than 0.3ng/ml.