

Human TSLP Recombinant Protein



RPPB1044

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 H₂O 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 EIQLSTFNPT AGCASLAKEM FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQLQGL WRRFNRPPLK QQ.

Biological Activity:

The ED50 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.