

## 32-20484: Recombinant Human TSLP(Discontinued)

**Reactivity :** Human, Mouse  
**Alternative Name :** Thymic Stromal Lymphopoietin

### Description

**Source:** **E.coli**TSLP is a hemopoietic protein that is expressed in the heart, liver and prostate. TSLP overlaps biological activities with IL-7, and binds with the heterodimeric receptor complex consisting of the IL-7R Alpha -chain (IL-7RA $\alpha$ ) and the TSLP-specific chain (TSLPR). Like IL-7, TSLP induces phosphorylation of STAT3 and STAT5, but uses kinases other than the JAKs for activation. TSLP prohibits apoptosis and stimulates growth of the human acute myeloid leukemia (AML)-derived cell line MUTZ3. It induces the release of T cell-attracting chemokines TARC and MDC from monocytes, and activates CD11c(+) dendritic cells (DCs). TSLP-activated DCs have been shown to prime na $\ddot{A}$ <sup>-ve</sup> T cells to produce the proallergic cytokines (IL-4, IL-5, IL-13, TNF-Alpha) while down-regulating IL-10 and IFN-Gamma, suggesting a role in initiating allergic inflammation. Recombinant Human TSLP is a 15.0 kDa protein consisting of 132 amino acid residues.

### Product Info

**Amount :** 2  $\mu$ g / 10  $\mu$ g  
**Purification :** Purity: $\geq$  98% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** MYDFTNCDFE KIKAAYLSTI SKDLITYMSG TKSTEFNNTV SCSNRPHCLT EIQSLTFNPTAGCASLAKEM  
FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQQLGLWRRFNRPLLK QQ