



Recombinant Human TSLP

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-304S
Size:	2 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	85480
Synonyms:	TSLP

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-7R α) 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 prohibited apoptosis and stimulated 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 primed naïve T cells to produce the proallergic cytokines (IL-4, IL-5, IL-13, TNF α) while down-regulating IL-10 and IFN- γ suggesting a role in initiating allergic inflammation. Recombinant human TSLP is a 15.0 kDa protein consisting of 132 amino

Sequence

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MYDFTNCDFE KIKAAYLSTI SKDLITYMSG TKSTEFNNTV  
SCSNRPHCLT EIQSLTFNPT AGCASLAKEM FAMKTKAALA  
IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQIQGL  
WRRFNRPLLK QQ
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Database References

Protein RefSeq:	NP_149024.1
Uniprot ID:	Q969D9
mRNA RefSeq:	NM_033035

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	132
MW:	15 kDa

Biological Activity: Data not available.



AVOID REPEATED FREEZE AND THAW CYCLES!