

Recombinant Human TSLP Protein, 98-159aa, C-His tagged

Cat. No. TSLP-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSLP Protein (98-159aa) with C-His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	98-159aa
Description	This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary disease. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. In addition, the shorter (predominant) isoform is an antimicrobial protein, displaying antibacterial and antifungal activity against <i>B. cereus</i>, <i>E. coli</i>, <i>E. faecalis</i>, <i>S. mitis</i>, <i>S. epidermidis</i>, and <i>C. albicans</i>. Alternative splicing of this gene results in multiple transcript variants.
AA Sequence	MFAMKTKAALAIWCPGYSETQINATQAMKKRRKRKVTTNKCLEQVSQQLQGLWRRF NRPLLKQQHHHHHH

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Endotoxin	< 1 EU/μg protein by LAL
Purity	> 90% as determined by SDS-PAGE
Storage	Short Term Storage at +4 centigrade, Long Term, please prepare aliquots and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Storage Buffer	PBS, pH 7.4

GENE INFORMATION

Gene Name	TSLP thymic stromal lymphopoietin [Homo sapiens (human)]
Official Symbol	TSLP
Synonyms	TSLP; thymic stromal lymphopoietin
Gene ID	85480
mRNA Refseq	NM_033035
Protein Refseq	NP_149024
MIM	607003
UniProt ID	Q969D9

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