

## GFH165 Recombinant Human TSLP

## Description

Thymic Stromal Lymphopoietin (TSLP) is a hematopoietic cytokine produced in several tissues including the heart, liver and prostate. TSLP induces the release of T-cell attracting chemokines from monocytes and regulates the maturation of myeloid and epidermal dendritic cells. TSLP signals through a heterodimeric receptor complex containing the TSLP receptor (TSLP-R/CRLF2) and IL-7R  $\alpha$  chain.

<b>Length</b>	132 aa
<b>Molecular Weight</b>	15.1 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	Q969D9
<b>Purity</b>	$\geq$ 95% determined by reducing and non-reducing SDS-PAGE

## Specifications

<b>Alternative Names</b>	Thymic Stromal Lymphopoietin
<b>Biological Activity</b>	Human TSLP is fully biologically active when compared to standard. The activity is determined by the induced proliferation of BaF3 cells transiently expressing human IL-17R $\alpha$ and human TSLP-R and it is typically 0.05 - 0.3 ng/ml. There is no data currently available.
<b>Endotoxin Level</b>	$\leq$ 1.00 EU/ $\mu$ g as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
<b>AA Sequence</b>	MYDFTNCDFE KIKAAYLSTI SKDLITYMSG TKSTEFNNTV SCSNRPHCLT EIQLTFNPT AGCASLAKEM FAMKTKAALA IWCPGYSETQ INATQAMKKR RKRKVTTNKC LEQVSQLQGL WRRFNRPLLK QQ

## Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.