

TSLP Protein, Human (R127A, R130A, HEK293, His)

Cat. No.:	HY-P78658
Synonyms:	Thymic stromal lymphopoietin; Thymic stroma-derived lymphopoietin; TSLP
Species:	Human
Source:	HEK293
Accession:	Q969D9 (Y29-Q159, R127A, R130A)
Gene ID:	85480
Molecular Weight:	24 kDa

PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TSLP at 1 µg/mL can bind Anti-TSLP recombinant antibody . The EC ₅₀ is 5.779-10.15 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 µm filtered solution of PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The TSLP protein is a cytokine that stimulates the release of T-cell-attracting chemokines from monocytes, with a particular effect on enhancing the maturation of CD11c(+) dendritic cells. Additionally, this protein can directly activate mast cells, potentially leading to the induction of allergic inflammation. It is also suggested that TSLP may have antimicrobial properties in the oral cavity and on the skin.
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Caution: Product has not been fully validated for medical applications. For research use only.

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