

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HUMAN TSLP PROTEIN, HFC TAG**

货号: 11433

产品全名: 人 TSLP 蛋白 规格: 10/50/100 µg

基因符号 TSLP 目标蛋白: TSLP

UNIPROT ID: Q969D9

描述: Recombinant Human TSLP with C-terminal human Fc tag

背景: 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 CDIIc() 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 B. cereus, E. coli, E. faecalis, S. mitis, S. epidermidis, and C. albicans. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2020]

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 41.1 kDa after removal of the signal peptide. The apparent molecular mass of TSLP-hFc is approximately 55-70 kDa due to glycosylation.

分子特征: TSLP(Thr29-Gln159) hFc(Glu99-Ala330)

纯化: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



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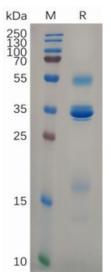


Figure 1. Human TSLP Protein, hFc Tag on SDS-PAGE under reducing condition.

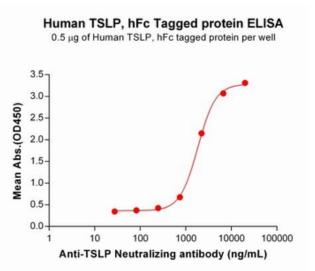


Figure 2. ELISA plate pre-coated by 5 µg/ml (100 µl/well) Human TSLP Protein, hFc Tag (11433) can bind Anti-TSLP Neutralizing antibody 28110 in a linear range of 741-6667 ng/mL.