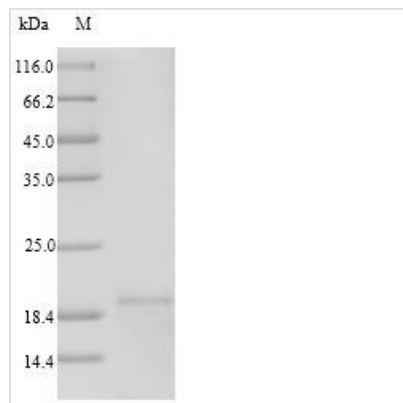




Recombinant Human Thymic stromal lymphopoietin (TSLP)

Product Code	CSB-MP025141HU
Relevance	Isoform 1: Cytokine that induces the release of T-cell-attracting chemokines from monocytes and, in particular, enhances the maturation of CD11c+ dendritic cells. Can induce allergic inflammation by directly activating mast cells. Isoform 2: May act as an antimicrobial peptide in the oral cavity and on the skin.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q969D9
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	YDFTNCDFEKIKAAAYLSTISKDLITYMSGTKSTEFNNTVSCSNRPHCLTEIQSLT FNPTAGCASLAKEMFAMKTKAALAIWCPCGYSETQINATQAMKKRRKRKVTTNK CLEQVSQQLQGLWRRFNRPLLKQQ
Lead Time	3-7 business days
Research Area	Immunology
Source	Mammalian cell
Gene Names	TSLP
Expression Region	29-159aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-Myc-tagged
Mol. Weight	18.9kDa
Protein Description	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The synthesis of this Recombinant Human TSLP protein depends on the utilization of recombinant DNA technology to a large degree. DNA sequences that encoded the TSLP protein could be inserted into a vector and introduced into an expression host, Mammalian cell, where it could be easily expressed in and purified from. The expression of this TSLP protein was at 29-159aa. N-terminal 6xHis tag was fused with this protein. The purity is 90%+ determined by SDS-PAGE.

TSLP is gene encoding a protein named thymic stromal lymphopoietin (TSLP) in human. The encoded protein TSLP) is an interleukin-7-like cytokine produced by epithelial cells and is reported to be upregulated in asthma and induce dendritic cell maturation supporting a Th2 response. It has been called a “master switch” of allergic inflammation at the epithelial cell and dendritic cell interface. Moreover, this protein also displays a defense response to fungus and defense response to Gram-negative bacterium.