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Thymic Stromal Lymphopoietin Protein (TSLP) (Arg127Ala-Mutant, Arg130Ala-Mutant) (His tag)



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1 Image

Overview	
Quantity:	50 µg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Protein Characteristics:	Arg127Ala-Mutant, Arg130Ala-Mutant
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thymic Stromal Lymphopoietin protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Thymic Stromal Lymphopoietin/TSLP (R127A, R130A, C-10His)
Sequence:	Tyr29-Gln159(R127A, R130A)
Characteristics:	Recombinant Human Thymic stromal lymphopoietin is produced by our Mammalian expression system and the target gene encoding Tyr29-Gln159(R127A, R130A) is expressed with a 10His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	Thymic Stromal Lymphopoietin (TSLP)
Alternative Name:	Thymic Stromal Lymphopoietin/TSLP (TSLP Products)

Target Details

Background:

Background: Thymic stromal lymphopoietin (TSLP) is a novel member of the hemopoietic cytokine family that promotes the development of B cells and shares overlapping activity with IL-7. The human TSLP protein comprises a 28 amino acids (aa) signal sequence and 131 aa mature region. Human TSLP has two isoforms IfTSLP and sfTSLP produced by alternative splicing . IfTSLP is expressed in a number of tissues including heart, liver and prostate, and sfTSLP (63aa) is predominantly expressed in keratinocytes of oral mucosa, skin and in salivary glands. In aa sequence level, Human TSLP displays about 43 % identity with mouse TSLP.TSLP is a cytokine that functions mainly on myeloid cells, it induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells.TSLP has proliferative effects on the myeloid cell line and may initiate asthma or atopic dermatitis responses by directly activating mast cells . TSLP signals cells via the interleukin-7 receptor- α chain (IL-7R α), shared with IL-7, together with the TSLP receptor (TSLPR) subunit. Recent studies indicate that TSLP and its receptor are novel therapeutic targets for rheumatoid arthritis, for increased intraarticular TSLP concentrations in patients has caused chemotaxis and activation of arthritogenic T cells.

Synonym: Thymic stromal lymphopoietin, TSLP

Molecular Weight:

16.1 kDa

UniProt:

Q969D9

Application Details

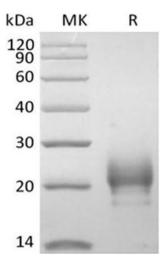
Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.