Recombinant mouse TSLP protein

Catalog Number: ATGP3879

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-140aa

UniProt No.
Q9JIE6

NCBI Accession No.
NP_067342.1

Alternative Names
Thymic stromal lymphopoietin, Thymic stroma-derived lymphopoietin, Tslp

PRODUCT SPECIFICATION

Molecular Weight
15kDa (130aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
TSLP, also known as thymic stromal lymphopoietin, is a protein belonging to the cytokine family. This protein plays an important role in the maturation of T cell populations through activation of antigen presenting cells. It is an interleukin 7-like cytokine originally characterized by its ability to promote the activation of B cells and dendritic cells (DCs). It is expressed by non-hematopoietic cells such as fibroblasts, epithelial cells and different

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types of stromal or stromal-like cells, and is important in allergic inflammation. It signals through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor CRLF2 and the IL-7R alpha chain. After binding STAT5 phosphorylation is induced resulting in the expression of upstream transcription factors. Also, expression of TSLP is linked to many disease states including asthma, inflammatory arthritis, atopic dermatitis, eczema, eosinophilic esophagitis and other allergic states. But the factors are not clearly defined. Recombinant Mouse TSLP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

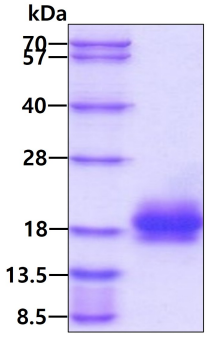
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General References

Sims JE., et al, (2000) J. Exp. Med. 192:671-680.
Pandey A., et al, (2000) Nautre Immunol. 1:59.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.