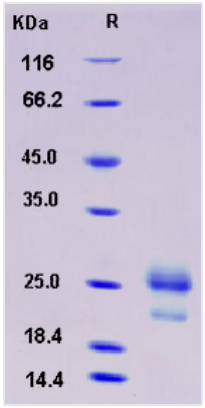
TSLP Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	TSLP, Recombinant Protein
Full Product Name	Recombinant Mouse TSLP Protein (His tag)
Product Gene Name	TSLP recombinant protein
Product Synonym Names	TSLP
Host	Human Cells
Form/Format	Lyophilized from sterile PBS, pH 7.4
Purity/Purification	> 90 % as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -70 degree C
Molecular Weight	16,152 Da
3D Structure	ModBase 3D Structure for Q9JIE6
Predicted N Terminal	Tyr 20
Endotoxin	< 1.0 EU per mug of the protein as determined by the LAL method
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for TSLP recombinant protein	The secreted recombinant mouse TSLP comprises 132 amino acids and has a calculated molecular mass of 15.4 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 22-27 kDa in SDS-PAGE under reducing conditions.
Related Product Information for TSLP recombinant protein	Background: Thymic stromal lymphopoietin (TSLP) is an interleukin 7 (IL-7)-like cytokine originally characterized by its ability to promote the activation of B cells and dendritic cells (DCs). Thymic stromal lymphopoietin (TSLP) is a cytokine expressed by epithelial cells, including keratinocytes, and is important in allergic inflammation. Subsequent studies have shown that TSLP promotes T helper type 2 (TH2) cell responses associated with immunity to some helminth parasites and the pathogenesis of many inflammatory diseases, including atopic dermatitis and asthma. TSLP can promote TH2 cytokine-associated inflammation by directly promoting the effector functions of CD4+ TH2 cells, basophils and other granulocyte populations while simultaneously limiting the expression of DC-derived proinflammatory cytokines and promoting regulatory T cell responses in peripheral tissues. Description: A DNA sequence encoding the mouse TSLP (Q9JIE6) (Met 1-Glu 140) was expressed, with a C-terminal polyhistidine tag.
Other Notes	Small volumes of TSLP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TSLP purchase	MBS2546693 is a recombinant protein targeting TSLP. Also known as Recombinant Mouse TSLP Protein (His tag). Host: Human Cells.



SDS-PAGE of TSLP recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSLP. It may not necessarily be applicable to this product.

NCBI GI #	10946698
NCBI GeneID	53603
NCBI Accession #	NP_067342.1
UniProt Primary Accession #	Q9JIE6
UniProt Related Accession #	Q9JIE6
GenBank Nucleotide #	NM_021367.2
NCBI Official Full Name	thymic stromal lymphopoietin
NCBI Official Synonym Full Names	thymic stromal lymphopoietin
NCBI Official Symbol	Tslp
UniProt Protein Name	Thymic stromal lymphopoietin
UniProt Synonym Protein Names	Thymic stroma-derived lymphopoietin
Protein Family	Thymic stromal lymphopoietin
UniProt Gene Name	Tslp
NCBI Protein Information	thymic stromal lymphopoietin
UniProt Comments for TSLP	TSLP: 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. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 18 B1|18 18.12 cM Molecular Function: cytokine activity
Research Articles on TSLP	**1.** IL-33-ERK/JNK/p38/Egr-1/TSLP axis involved in allergic skin Th2 inflammation
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