

TSLP active protein

Recombinant Human TSLP (C-10His)

CATALOG #
AAA177943

HOST
Human Cells

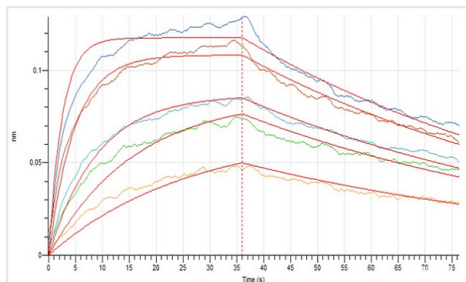
PRODUCT SYNONYMS

TSLP; Recombinant Human TSLP (C-10His); Thymic stromal lymphopoietin; TSLP active protein

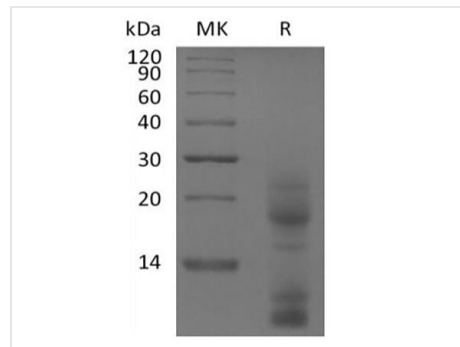
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Sequence	Tyr29-Gln1 59
Species	Human
Tag	C-10His
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human Thymic Stromal lymphopoietin is produced by our Mammalian expression system and the target gene encoding Tyr29-Gln159 is expressed with a 10His tag at the C-terminus.
Activity	Loaded Human TSLP-His on HIS1K Biosensor, can bind Human TSLP R-Fc with an affinity constant of 37.97nM as determined in BLI assay
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TSLP active protein	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 lFTSLP and sFTSLP produced by alternative splicing. lFTSLP 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-alpha chain (IL-7Ralpha), 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.
Product Categories/Family for TSLP active protein	immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	190886449
NCBI GeneID	85480
NCBI Accession #	NP_612561.2
NCBI GenBank Nucleotide #	NM_138551.4
UniProt Accession #	Q969D9; Q8IW99
Molecular Weight	18,141 Da
NCBI Official Full Name	thymic stromal lymphopoietin isoform 2
NCBI Official Synonym Full Names	thymic stromal lymphopoietin
NCBI Official Symbol	TSLP
NCBI Protein Information	thymic stromal lymphopoietin
UniProt Protein Name	Thymic stromal lymphopoietin
UniProt Gene Name	TSLP
UniProt Entry Name	TSLP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-active-protein/tslp/177943>