CREATIVE BIOMART®
Immune Checkpoints

Recombinant Human TSLP Protein, C-His-tagged, Biotinylated

Product Information

Cat	*IMP-5026*
Official Symbol	*TSLP*
Product Overview	*Recombinant human TSLP (NP_149024.1) (Met1-Gln159, with mutation Arg 127 Ala, Arg 130 Ser) was expressed with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.*
Description	*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.*
Expression System	*HEK293*
Species	*Human*
Tag	*C-His*
Predicted N Terminal	*Met 1*
Form	*Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.*
Molecular Mass	*The recombinant human TSLP consists of 142 amino acids and predicts a molecular mass of 16.2 kDa.*
Protein length	*Met1-Gln159, withmutationArg127Ala, Arg130Ser*
Endotoxin	*< 1.0 EU/μg of the protein as determined by the LAL method*
Purity	*> 95 % as determined by SDS-PAGE*
Storage	*Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.*
Reconstitution	*A hardcopy of COA with reconstitution instruction is sent along with the*

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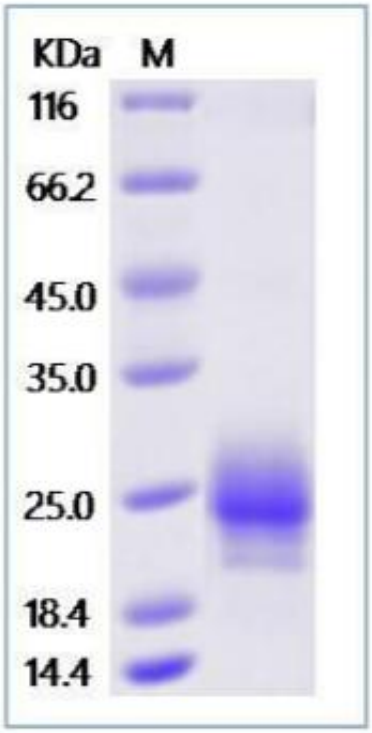
products. Please refer to it for detailed information.

SDS-PAGE



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