Recombinant Human TSLP

Cat No:HR2R2036

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	TSLP
Gene ID	85480
Accession	Q969D9
Alternative Name	Thymic stromal lymphopoietin, TSLP Recombinant Human Thymic Stromal Lymphopoietin (TSLP)
Species	Human
Source	E. coli
Description	TSLP is a hemopoietic protein that was initially identified from mouse thymic stromal cell line that promoted the development of B cells. TSLP overlaps biological activities with IL-7 and can co-stimulate growth of thymocytes and mature T cells alongside supporting lymphopoiesis. Human TSLP shares approximately 43% amino acid sequence identity with mouse TSLP. Human TSLP has been detected in many tissues although the highest level of expression has been found in the heart, liver, testis and prostate. TSLP signals through a heterodimeric receptor complex that consists of IL-7R-alpha and the TSLP-R.
Functions	The ED(50) was determined by the dose-dependent proliferation of human IL-7R-alpha and human TSLP R co-transfected mouse BaF3 cells, was found to be < 3.0 ng/mL.
Formulation	Human TSLP was Lyophilized from a 0.2 ?m filtered concentrated (1.0 mg/mL) solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	15
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.