Active Recombinant Human CRLF2 Protein, Fc&Avi tagged, Biotinylated

Cat. No. CRLF2-11176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human TSLP R Protein, Fc, Avi tag is expressed from human 293 cells (HEK293). It contains AA Gly 25-Lys 231 (Accession #Q9HC73-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag. Predicted N-terminus: Gly 25
Species	Human
Source	HEK293
ProteinLength	25-231 aa
Conjugation/Label	Biotin
Description	Thymic stromal lymphopoietin (TSLP) is an epithelial cell-derived cytokine involved in the pathology of inflammatory skin diseases, and is widely expressed by epithelial cells. Human TSLP cDNA encodes a 159 amino acid (aa) residue precursor protein with a 28 aa signal sequence. Human TSLP has been shown to developing nondeletional central tolerance, amplifying epithelium-induced class switching, inducing atopic diseases and maintaining intestinal noninflammatory environment. Among diverse cells responding to Human TSLP, CD11c+ dendritic cells are the most obviously characterized target cells.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

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Specificity	Protein Ratio: Passed as determined by the HABA assay/binding ELISA.
Bio-activity	Immobilized Biotinylated Human TSLP R Protein, Fc, Avi tag at 1 μg/mL (100 μL/well) on streptavidin precoated (0.5 μg/well) plate can bind Human TSLP Protein (R127A, R130A), His Tag with a linear range of 2-39 ng/mL.
Molecular Mass	The protein has a calculated MW of 52.1 kDa. The protein migrates as 65-80 kDa when calibrated againstStar Ribbon Pre-stained Protein Markerunder reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CRLF2 cytokine receptor-like factor 2 [Homo sapiens (human)]
Official Symbol	CRLF2
Synonyms	CRLF2; cytokine receptor-like factor 2; CRL2; TSLPR; IL-XR; TSLP receptor; P2RY8/CRLF2 fusion; cytokine receptor-like 2; cytokine receptor CRL2 precusor; thymic stromal lymphopoietin receptor; thymic stromal lymphopoietin protein receptor; thymic stromal-derived lymphopoietin receptor; CRLF2Y;

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Gene ID	64109
mRNA Refseq	NM_001012288
Protein Refseq	NP_001012288
MIM	300357
UniProt ID	Q9HC73

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