

Recombinant Human TSLP R/CRLF2 (C-Fc)

Catalog No. PKSH033923

Note: Centrifuge before opening to ensure complete recovery of vial contents.

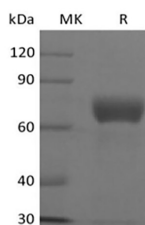
Description

Synonyms	CRL2;CRL2cytokine receptor CRL2 precursor;CRLF2;CRLF2Y;CRLM-2;Cytokine receptor-like 2;cytokine receptor-like factor 2;ILXR;IL-XR;P2RY8/CRLF2 fusion;PCOR1;TSLP R;TSLP receptor;TSLPR
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly25-Lys231
Accession	Q9HC73
Calculated Molecular Weight	50.9 kDa
Observed molecular weight	60-80 kDa
Tag	C-Fc
Bioactivity	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.

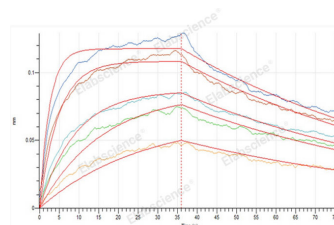
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.



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For Research Use Only

Background

Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5. Also activates JAK2 (By similarity). Implicated in the development of the hematopoietic system. TSLP R expression is ubiquitous in the immune and hematopoietic cells, but is up-regulated in Th2-skewed cells. Cells expressing TSLP R alone bind TSLP with low affinity. Co-expression of TSLP R and IL-7 R alpha is required for high-affinity TSLP binding and signal transduction . The TSLP R and IL-7 R alpha are coexpressed primarily on monocytes and dendritic cells and at lower levels in lymphoid cells. TSLP has been shown to induce the release of T cell-attracting chemokines from monocytes and enhance the maturation of CD11c+ dendritic cells.

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