

Recombinant Human TSLP R/CRLF2 (C-Fc)

Catalog Number:PKSH033923



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

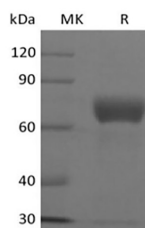
Description

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.

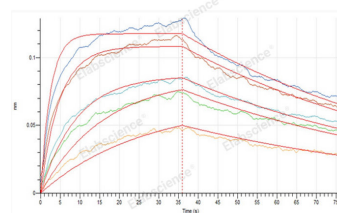
Properties

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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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

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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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