Recombinant Mouse TSLP Receptor/CRLF2 Protein (His Tag)

Catalog No. PKSM041157

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

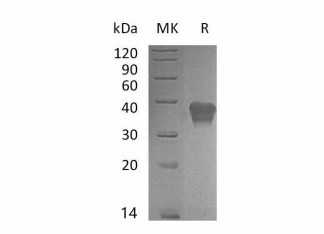
Description

Synonyms	CRL2;CRLF2;CRL2 cytokine receptor;Cytokine receptor-like 2;cytokine receptor-like factor 2;ILXR;IL-XR;P2RY8/CRLF2 fusion;Thymic stromal lymphopoietin protein receptor;Thymic stromal-derived lymphopoietin receptor;TSLP receptor;TSLPR
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ala20-Leu233
Accession	AAH23788.1
Calculated Molecular Weight	23.7 kDa
Observed molecular weight	35-40 kDa
Tag	C-His
Bioactivity	Not validated for activity

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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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

The cytokine thymic stromal lymphopoietin receptor (TSLPR) is consisting of a common γ receptor–like chain (TSLPR-γ) and a common interleukin 7 (IL-7) Rα chain that belongs to the type 1 cytokine receptor family. Transfection of TSLPR cDNA result in only low affinity binding, while cotransfection of the IL-7Rα chain cDNA shows high affinity binding. TSLP and TSLPR play a critical role in the initiation of allergic diseases in mice. The TSLP R cDNA encodes a transmembrane receptor containing 370 amino acids (aa) with two potential N-linked glycosylation sites and a cytoplasmic domain of 104 aa including a single tyrosine residue. TSLPR can mediate signaling of the signal transducer and activator of transcription 5 (Stat5) by TSLP. TSLP R is broadly expressed in the immune and hematopoietic cells, particularly in hematopoietic progenitors and myeloid cells.

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