Product Name: Recombinant Human TSLPR&IL-7RA Heterodimer (C-6His)
Catalog #: PHH2398

Summary

Name	TSLPR&IL-7RA Heterodimer
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Thymic Stromal Lymphopoietin Protein Receptor & Interleukin-7 Receptor Subunit Alpha Fusion Protein is produced by our Mammalian expression system and the target gene encoding Gly25/xadLys231&Glu21-Asp239 is expressed with a 6His tag at the C-terminus.
Accession #	Q9HC73&P16871
Host	Human Cells
Species	Human
Predicted Molecular Mass	54.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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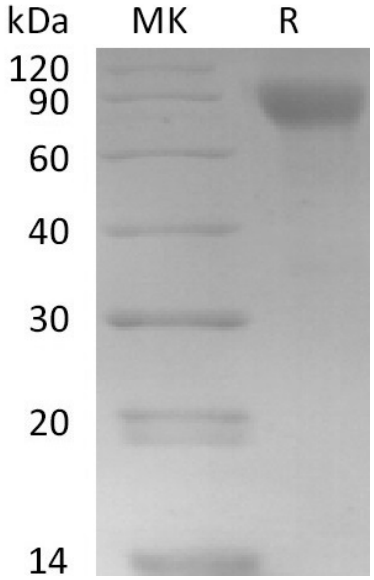

Alternative Names

Cytokine receptor-like factor 2; Cytokine receptor-like 2; TSLP receptor; CRL2; ILXR; TSLPR; Interleukin-7 receptor subunit alpha; IL-7R subunit alpha; IL-7RA; CD127

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. IL-7 and IL-7Ralpha bind the gamma(c) receptor, forming a complex crucial to several signaling cascades leading to the development and homeostasis of T and B cells. TSLP, forming a triple complex of TSLP/TSLPR/IL-7Rα, activates JAK1 and JAK2, thereby resulting in phosphorylation of STAT5A and STAT5B, as well as STAT1, STAT3, and other STAT proteins to a lesser extent, and MAPKs and NF-κB depending on the cell type.

Note

For Research Use Only , Not for Diagnostic Use.