Recombinant Human IL-7

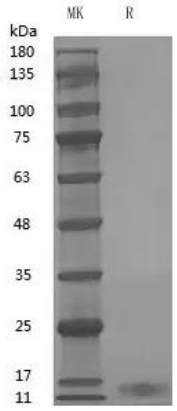
Catalog#:PCH2521

概述（Summary）

别称（Alternative Names）	Interleukin-7; IL-7; IL7
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤10 EU/mg
蛋白构建（Construction）	【Asp26-His177】
Accession #	P13232
表达宿主（Host）	CHO
种属（Species）	Human
预测分子量（Predicted MW）	17.3 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS,5% mannitol and 0.01% Tween 80, pH7.4
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（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.
背景介绍（References）	Human Interleukin 7 (IL-7) is a potent lymphoid cell growth factor stimulating the proliferation of lymphoid progenitors. IL7 can associate with the hepatocyte growth factor (HGF) to form a hybrid cytokine that functions as a pre-pro-B cell growth-stimulating factor. Human IL7 cDNA encodes a 177 amino acid precursor protein containing a 25 amino acid signal peptide and a 152 amino acid mature protein. Human and mouse IL7 share 65% sequence identity in the mature region and both exhibit cross-species activity. IL-7 signals via IL-7 receptor (IL7R)

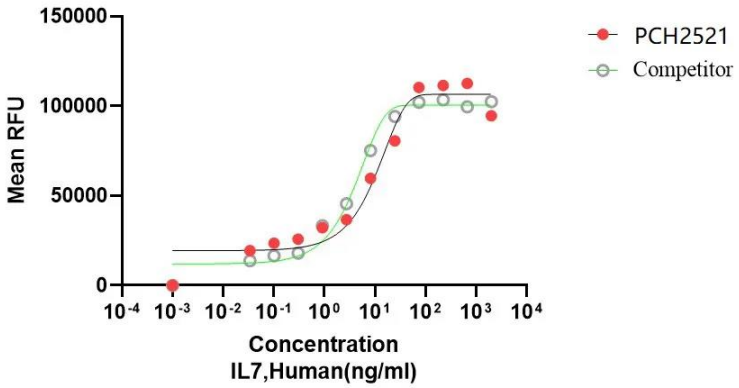
activating multiple pathways including JaK/STAT and PI3K/AKT, which regulate lymphocyte survival, glucose uptake, proliferation, and differentiation. IL-7 is also associated with cytoplasmic IL2-R gamma for signal transduction.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE

活性图（Bioactivity image）



Measured in a cell proliferation assay using NALM-6 human pre-B cells. The ED50 for this effect is ≤30ng/ml.

注意事项（Note）

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