

产品名称: GMP Recombinant Human IL-7
产品货号: PCH90031

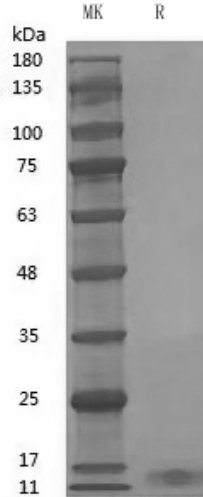


概述 (Summary)

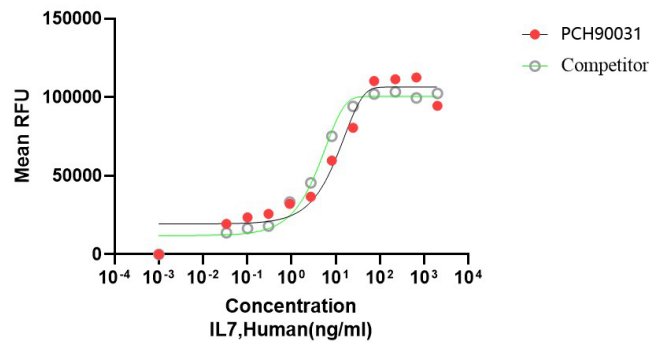
英文全称	IL-7
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	≤10 EU/mg
蛋白构建 (Construction)	Recombinant Human IL-7 is produced by our Mammalian cell expression system and the target gene encoding Asp26-His177 is expressed.
Accession #	P13232
蛋白标签 (Tag)	Tag free
表达宿主 (Host)	Mammalian cell
种属 (Species)	Human
预测分子量 (Predicted MW)	17.3 kDa
蛋白形态 (Form)	Lyophilized
储存缓冲液 (Buffer)	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)	36 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.

电泳图 (SDS-PAGE image)

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活性验证图 (Bioactivity image)



Measured in a cell proliferation assay using NALM-6 human pre-B cells. The ED50 for this effect is $\le 30\text{ng/ml}$.

背景 (Background)

分子别名 (Alternative Names)

Interleukin-7; IL-7; IL7

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,

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proliferation, and differentiation. IL-7 is also associated with cytoplasmic IL2-R gamma for signal transduction.

注意事项 (Note)

For research use only .