

IL-7/LP-1, Human, Recombinant

货号 : PCK079

产品信息

别名	Lymphopoietin 1(LP-1), pre-B-cell factor
物种	Human
表达宿主	E.coli
序列信息	MDCDIEGKDGKQYESVLMVSIQQLDLSMKEIGSNCLNNEFNFFKRHICDAN KEGMFLFRAARKLRQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRK PAALGEAQPTKSLEENKSLKEQKKLNDLCFLKRLQEIKTWCWNKILMGTK E H with polyhistidine tag at the C-terminus.
检索号	P13232.1
分子量	18.3 kDa
标签	His-tag at the C-terminus
生物活性	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED50 for this effect is <0.8 ng/mL. The specific activity of recombinant human IL-7 is > 7 x 10 ⁸ IU/mg.

产品特性

纯度	>95% as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	<0.1 EU per 1 µg of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. It is important for proliferation during certain stages of B-cell maturation, T and NK cell survival, development and homeostasis.

SDS-PAGE

