

**IL-7/LP-1, Human, Recombinant****Cat. No. : GPCK079****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MDCDIEGKDGKQYESVLMVSI DQLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAARK LRQFLKMNSTGDFDLHLLKVSEGT TILLNCTGQVKGRKPAALGEAQPTKSLEENKSLKEQKKL NDLCFLKRLLEIKTCWNKILMGTK EH with polyhistidine tag at the C-terminus.
检索号	P13232.1
标签	His-tag at the C-terminus
分子量	18.3 kDa
有效期	12 months
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 × 10 <sup>8</sup> IU/mg.

**产品特性**

内毒素 (EU/μg)	< 0.1
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 1 × PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/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.

