

**IL-9/HP40, Human, Recombinant****Cat. No. : GPCK364****产品信息**

物种	Human
表达宿主	E.coli
序列信息	QGCPTLAGILDINFLINKMQEDPASKCHCSANVTSCCLGIPSDNCTRPCFSERLSQMTNTTM QTRYPLIFSRVKKSVEVLKNNKCPYFSCEQPCNQTTAGNALTKLSLLEIFQKEKMRGMRGKI with polyhistidine tag at the N-terminus.
检索号	P15248.1
标签	His-tag at the N-terminus
分子量	14.93 kDa
有效期	12 months
生物活性	Measure by its ability to induce proliferation in MO7e cells. The ED50 for this effect is < 0.25 ng/mL. The specific activity of recombinant human IL-9 is approximately > 5 × 10 <sup>6</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 9, also known as IL-9, is a pleiotropic cytokine (cell signalling molecule) belonging to the group of interleukins. IL-9 is produced by variety of cells like mast cells, NKT cells, Th2, Th17, Treg, ILC2, and Th9 cells in different amounts. Among them, Th9 cells are regarded as the major CD4<sup>+</sup> T cells that produce IL-9.

