

IL-9/HP40, Human, Recombinant

货号 : PCK364

产品信息

别名	p40 cytokine, T-cell growth factor p40, HP40
物种	Human
表达宿主	E.coli
序列信息	QGCPTLAGILDINFLINKMQEDPASKCHCSANVTSCCLGLIPSDNCTRPCFSE RLSQMTNTTMQTRYPLIFSRVKKSVEVLKNNKCPYFSCEQPCNQTTAGNAL TFLKSLLEIFQKEKMRGMRGKI with polyhistidine tag at the N-terminus.
检索号	P15248.1
分子量	14.93 kDa
标签	His-tag at the N-terminus
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 $>5 \times 10^6$ IU/ mg.

产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.01 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 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+ T cells that produce IL-9.

SDS-PAGE

