

IL-4/BSF-1, Human, Recombinant**Cat. No. : PCK031****产品信息**

别名	BCGF;BCDF;B-cell Stimulating Factor (BSF-1)
物种	Human
表达宿主	E.coli
序列信息	MHKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTTEKETFCRAATVLRQFYSHHEKD TRCLGATAQQFHRHKQLIRFLKRLDRNLWGLAGLNSCPVKEANQSTLENFLERLKTIMREKY SKCSS with polyhistidine tag at the C-terminus.
检索号	P05112.1
标签	His-tag at the C-terminus
分子量	15.9 kDa
有效期	12 months
生物活性	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant human IL-4 is approximately $> 2.8 \times 10^7$ IU/mg.

产品特性

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 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

The interleukin 4 (IL4, IL-4) is a cytokine that induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. Upon activation by IL-4, Th2 cells subsequently produce additional IL-4 in a positive feedback loop. The cell that initially produces IL-4, thus inducing Th2 differentiation, has not been identified, but recent studies suggest that basophils may be the effector cell. It is closely related and has functions similar to Interleukin 13.



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