

## IL-4/BSF-1, Mouse, Recombinant

货号：PCK033

### 产品信息

别名	BCGF, BCDF, B-cell Stimulating Factor (BSF-1)
物种	Mouse
表达宿主	E.coli
序列信息	MHIHGCDKNHLREIIGILNEVTGEGTPCTEMDVPNVLTATKNTTESELVCRA SKVLRIFYLKHGKTPCLKKNSSVLMELQRLFRAFRCCLDSSISCTMNESKSTSL KDFLESLKSIMQMDYS with polyhistidine tag at the C-terminus.
检索号	P07750.1
分子量	14.5 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce HT-2 cells proliferation. The ED50 for this effect is <1 ng/mL. The specific activity of recombinant mouse IL-4 is approximately >1 x 10 <sup>6</sup> IU/mg.

### 产品特性

纯度	>98% 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 7.4.



## 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

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.

## SDS-PAGE

