

## IL-6/IFN- $\beta$ 2/BSF-2, Human, Recombinant

货号 : PCK085

### 产品信息

别名	IFN- $\beta$ 2, B-Cell Differentiation Factor (BCDF), BSF-2, HPGF, HSF, MGI-2
物种	Human
表达宿主	E.coli
序列信息	MVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCES SKEALAENNLNLPKMAEKDGCQSGFNEETCLVKIITGLLEFEVYLEYLQN RFESSEEQARAVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQ NQWLQDMTTHLILRSFKEFLQSSLRALRQM with polyhistidine tag at the C-terminus.
检索号	P05231.1
分子量	21.8 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is <0.5 ng/mL. The specific activity of recombinant human IL-6 is approximately >5 x 10 <sup>8</sup> IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is <4.4 ng/mL.

### 产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 EU per 1 $\mu$ g 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 $\mu$ m 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 6 (IL-6) is an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine. In humans, it is encoded by the IL6 gene. In addition, osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. IL-6's role as an anti-inflammatory myokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10.

## SDS-PAGE

