

IL-6/IFN-β2/BSF-2, Human, Recombinant

货号：PCK085

产品信息

别名 IFN-β2, 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 10⁸ 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 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 $\mu\text{g/mL}$. 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

