

**IL-6/IFN-β2/BSF-2, Human, Recombinant****Cat. No. : GPCK085****产品信息**

|      |  |
|------|--|
| 物种   | Human  |
| 表达宿主 | E.coli   |
| 序列信息 | MVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNLNL<br>PKMAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLQNRFESEEQARAVQMSTKVLIQFLQKK<br>AKNLDAITTPDPTTNASLLTKLQAQNWQLQDMTTHLILRSFKEFLQSSLRALRQM with<br>polyhistidine tag at the C-terminus.   |
| 检索号  | P05231.1   |
| 标签   | His-tag at the C-terminus  |
| 分子量  | 21.8 kDa   |
| 有效期  | 12 months  |
| 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 × 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**

|             |  |
|-------------|--|
| 内毒素 (EU/μg) | < 0.1  |
| 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**

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.

