

IL-6/IFN- β 2/BSF-2, Human, Recombinant

Cat. No. : PCK085

产品信息

别名	IFN- β 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	MVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISA LRKETCNKSNMCESSKEALAENNLNLPKMAEKDGC FQSGFNEETCLVKIITGLLEFEVYLEYLQNR FESSEEQARA VQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRALRQM with 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 $> 5 \times 10^8$ 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

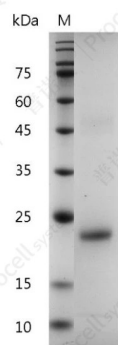
内毒素	< 0.1 EU per 1 μ g of the protein by the LAL method.
保存	Lyophilized protein should be stored at $-5 \sim -20^\circ\text{C}$ for 1 year. Upon reconstitution, store at $2-8^\circ\text{C}$ for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at $-5 \sim -20^\circ\text{C}$ or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a $0.2 \mu\text{m}$ filtered solution containing $1 \times \text{PBS}$, pH 8.0.
复溶	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- α and IL-1, and activation of IL-1ra and IL-10.



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