

**IL-10/B-TCGF/CSIF/TGIF, Human, Recombinant****Cat. No. : GPCK268****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLLLKESLLEDFKGYLG CQALSEMIQFYLEEVMPPQAENQDPDIKAHVNSLGENLKTLLRLRRCHRFLPCENKSKAVEQV KNAFNKLQEKGIIYKAMSEFDIFINYIEAYMTMKIRN with polyhistidine tag at the C-terminus
检索号	P22301.1
标签	His-tag at the C-terminus
分子量	19.6 kDa
有效期	12 months
生物活性	Measure by its ability to induce MC/9?2 cells proliferation. The ED50 for this effect is < 1 ng/mL. The specific activity of recombinant human IL-10 is approximately > 1×10 <sup>6</sup> IU/ mg.

**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 10 (IL-10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans, interleukin 10 is encoded by the IL10 gene. IL-10 signals through a receptor complex consisting of two IL-10 receptor-1 and two IL-10 receptor-2 proteins. Consequently, the functional receptor consists of four IL-10 receptor molecules. IL-10 binding induces STAT3 signalling via the phosphorylation of the cytoplasmic tails of IL-10 receptor 1 + IL-10 receptor 2 by JAK1 and Tyk2 respectively.

