

IL-10/B-TCGF/CSIF/TGIF, Human, Recombinant

货号：PCK268

产品信息

别名 B-TCGF, CSIF, TGIF

物种 Human

表达宿主 E.coli

序列信息 MSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLLK
ESLLEDFKGYLGCCQALSEMIQFYLEEVMQAENQDPDIKAHVNSLGENLKT
LRLRLRCHRFLPCENKSKAVEQVKNAFNKLQEKGIYKAMSEFDIFINYIEA
YMTMKIRN with polyhistidine tag at the C-terminus

检索号 P22301.1

分子量 19.6 kDa

标签 His-tag at the C-terminus

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 >1x10⁶ IU/ mg.

产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.01 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 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.

SDS-PAGE

