

IL-22/IL-TIF, Human, Recombinant**Cat. No. : GPCK183****产品信息**

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| 物种 | Human |
| 表达宿主 | E.coli |
| 序列信息 | MAPISSHCRLDKSNFQQPYITNRTFMLAKEASLADNNTDVRLIGEKLFHGVSMSERCYLMKQV LNFTLEEVLPQSDRFQPYMQEVPFLARLSNRLSTCHIEGDDLHIQRNVQKLKDTVKKLGESG EIKAI GELDLLFMSLRNACI with polyhistidine tag at the C-terminus. |
| 检索号 | Q9GZX6.1 |
| 标签 | His-tag at the C-terminus |
| 分子量 | 17.83 kDa |
| 有效期 | 12 months |
| 生物活性 | Measure by its ability to induce proliferation in A549 cells. The ED50 for this effect is < 0.5 ng/mL. |

产品特性

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| 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-22 (IL-22) a member of a group of cytokines called the IL-10 family or IL-10 superfamily (including IL-19, IL-20, IL-24, and IL-26), a class of potent mediators of cellular inflammatory responses. It shares use of IL-10R2 in cell signaling with other members of this family, IL-10, IL-26, IL-28A/B and IL-29. IL-22 is produced by activated NK and T cells and initiates innate immune responses against bacterial pathogens especially in epithelial cells such as respiratory and gut epithelial cells. IL-22 along with IL-17 is rapidly produced by splenic LT_i-like cells and also produced by Th17 cells and likely plays a role in the coordinated response of both adaptive innate immune system, autoimmunity and tissue regeneration.

