

**IL-21/Za11, Mouse, Recombinant****Cat. No. : GPCK254****产品信息**

|      |                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 物种   | Mouse                                                                                                                                                                                           |
| 表达宿主 | E.coli                                                                                                                                                                                          |
| 序列信息 | MHKSSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPELLSAPQDVKGHCHEAFAACFQKAKLKPS<br>NPGNNKTFIIDLVAQLRRRLPARRGGKKQKHIACPCDSYEKRTPKFEFLERLKWLLQKMIHQH<br>LS with polyhistidine tag at the C-terminus.            |
| 检索号  | Q9ES17.1                                                                                                                                                                                        |
| 标签   | His-tag at the C-terminus                                                                                                                                                                       |
| 分子量  | 15.9 kDa                                                                                                                                                                                        |
| 有效期  | 12 months                                                                                                                                                                                       |
| 生物活性 | Measure by its ability to enhance IFN gamma secretion in NK-92 cells. The ED50 for this effect is < 6 ng/mL. The specific activity of recombinant mouse IL-21 is > 1.6 × 10 <sup>5</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 7.4.                                                                                                                                                                                                                                    |
| 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-21 (IL21) belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.

