

#### IL-23/ NKSF2 (C-6His), Human, Recombinant

货号: PCK187

### 产品信息

- 别名 SGRF; IL-23p19; CLMF p40; IL-12 subunit p40; NKSF2 pricella
- 物种 Human
- 表达宿主 Human Cells
- 序列信息 Arg20-Pro189&Ile23-Ser328
- 检索号 Q9NPF7&P29460
- 分子量 19.7&34.8 kDa
- 标签 C-6His
- 生物活性 Measured by its ability to induce STAT reporter activity in 293F human embryonic kidney cells. The ED50 for this effect is 70-210 ng/ml.

## 产品特性

- 纯度 >95% as determined by reducing SDS-PAGE.
- 内毒素 <1.0 EU per µg as determined by LAL test.
- Pricella 保存 Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
- 运输 Ambient temperature or ice pack.
- 制剂 Lyophilized from a 0.2 µm filtered solution of 20mM PB, 200mM Trehalose, 4% Mannitol, 50mM NaCl, 0.02% Tween80, pH7.5.





#### 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml.Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

# 背景介绍

Interleukin 23 (IL-23) is a heterodimeric Cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The p19 subunit has homology to the p35 subunit of IL-12, as well as to other single chain Cytokines such as IL-6 and IL-11. The p40 subunit is homologous to the extracellular domains of the hematopoietic Cytokine Receptors. Although p19 is expressed by activated macrophages, dendritic cells, T cells, and endothelial cells, only activated macrophages and dendritic cells express p40 concurrently to produce IL-23. IL-23 has biological activities that are similar to, but distinct from IL-12. Both IL-12 and IL-23 induce proliferation and IFN-gamma production by human T cells. While IL-12 acts on both naive and memory human T cells, the effects of IL-23 is restricted to memory T cells.



