

## IL-13 (Ser26-Phe131, C-6His), Mouse, Recombinant

货号 : PCK253

### 产品信息

|      |  |
|------|--|
| 别名   | Interleukin-13; IL-13; T-Cell Activation Protein P600; Il13; IL-13   |
| 物种   | Mouse  |
| 表达宿主 | Human Cells  |
| 序列信息 | Ser26-Phe131   |
| 检索号  | P20109   |
| 分子量  | 12.7 kDa   |
| 标签   | C-6His   |
| 生物活性 | Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 2-13 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.   |
| 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 PBS, pH 7.4.   |



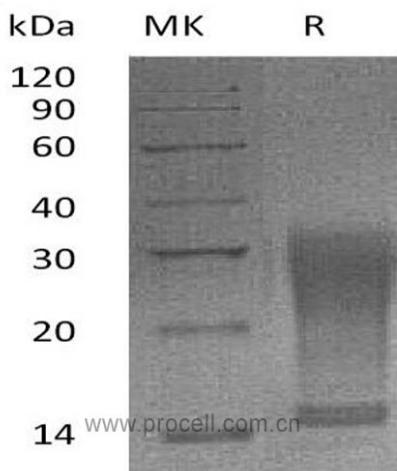
## 复融

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

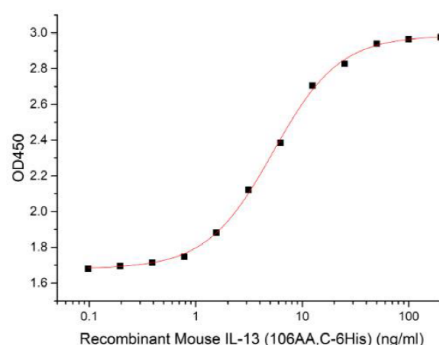
## 背景介绍

Mouse Interleukin 13 (mIL-13) is a pleiotropic Cytokine produced by activated Th2 cells. IL-13 induces B cell proliferation and immunoglobulin production. It contains a four helical bundle with two internal disulfide bonds. Mouse IL13 shares 58% sequence identity with human Protein and exhibits cross-species activity. IL13 signals via Receptor IL13R (type2, IL4R) and activates STAT-6. IL13 initially binds IL-13Rα1 with low affinity and triggers association of IL4Rα, generating a high affinity heterodimeric Receptor IL13R and eliciting downstream signals. IL13 also binds IL-13Rα2 with high affinity, which plays a role in a negative feedback system of IL13 signaling. IL13 is an important mediator of allergic inflammation and disease.

## SDS-PAGE



## 生物活性



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