

## IL-13 (Pro22-Phe131, C-6His), Mouse, Recombinant

货号：PCK252

### 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	Pro22-Phe131
检索号	P20109
分子量	13.1 kDa
标签	C-6His

### 产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per $\mu\text{g}$ as determined by LAL test.
保存	Lyophilized protein should be stored at $-5\sim-20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $-5\sim-20^{\circ}\text{C}$ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a $0.2\ \mu\text{m}$ 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-13R $\alpha$ 1 with low affinity and triggers association of IL4R $\alpha$ , generating a high affinity heterodimeric Receptor IL13R and eliciting downstream signals. IL13 also binds IL-13R $\alpha$ 2 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

