

## IL-1RL1/ IL-1 R4 (C-6His), Mouse, Recombinant

货号 : PCK241

### 产品信息

|      |   |
|------|---|
| 别名   | Interleukin-1 Receptor-like 1; Lymphocyte antigen 84; Protein ST2; Protein T1; Il1rl1; DER4; Fit-1; IL-1 R4; IL-1RL1; IL-33R; Ly84; ST2L; ST2V; suppression of tumorigenicity 2 |
| 物种   | Mouse   |
| 表达宿主 | Human Cells   |
| 序列信息 | Ser27-Ala337  |
| 检索号  | P14719-2  |
| 分子量  | 36.6 kDa  |
| 标签   | C-6His  |
| 生物活性 | Immobilized Mouse ST2-His at 5µg/ml (100 µl/well) can bind Rhesus Macaque IL-33-His. The ED50 of Rhesus Macaque IL-33-His is 82.03 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.   |



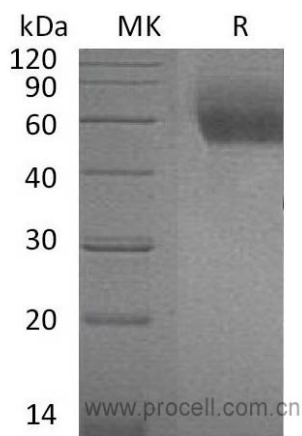
## 复融

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.

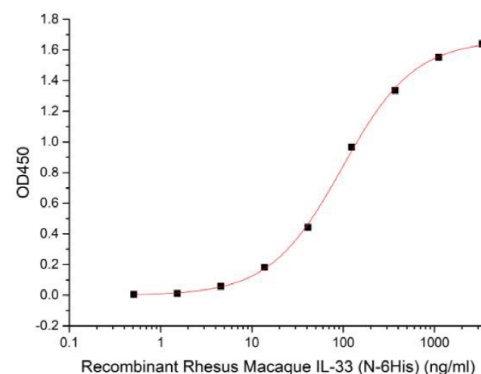
## 背景介绍

ST2, also called IL-1 R4, is an Interleukin-1 Receptor family glyco Protein that plays a role in Th2 immune responses. ST2 is expressed on the surface of mast cells, activated Th2 cells, macrophages, and cardiac myocytes. This Receptor is very similar to the IL-1 Receptor type I and the IL-18 Receptor  $\alpha$  chain in that ST2 also has three extracellular Ig domains and an intracellular Toll domain. ST2 binds IL-33, enhances inflammatory Cytokines by activating nuclear factor- $\kappa$ B (NF- $\kappa$ B) and mitogen activated Protein (MAP) kinases. ST2 exists as either a membrane bound form (ST2L) or as a soluble form (sST2). ST2L acts as a transmembrane signalling Receptor for IL-33 by mediating the effect of IL-33 on the inflammatory process, while sST2 can suppress IL-33 activity.

## SDS-PAGE



## 生物活性



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