

IL-1RL1/IL-1 R4 (C-6His), Mouse, Recombinant**Cat. No. : GPCK241****产品信息**

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| 物种 | Mouse |
| 表达宿主 | Human Cells |
| 序列信息 | Ser27-Ala337 |
| 检索号 | P14719-2 |
| 标签 | C-6His |
| 分子量 | 36.6 kDa |
| 有效期 | 12 months |
| 生物活性 | Immobilized Mouse ST2-His at 5 µg/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

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| 内毒素 (EU/µg) | < 0.1 |
| 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. |
| 复溶 | 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 sterile 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 α 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-κB (NF-κB) 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.

