

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

Cat. No. : PCK241

General Information

Synonyms	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
Species	Mouse
Expression host	Human Cells
Sequence	Ser27-Ala337
Accession	P14719-2
Tag	C-6His
Mol mass	36.6 kDa
Expiration date	12 months
Bio activity	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.

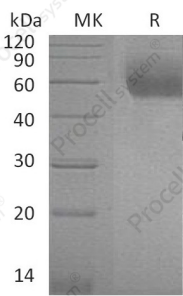
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/µg)	< 0.1
Storage	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.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	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.

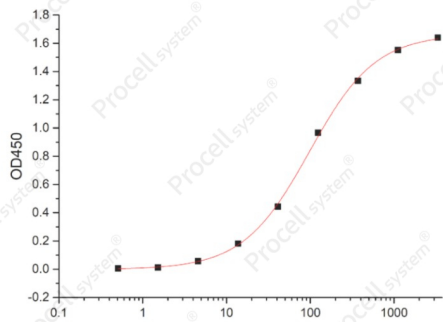
Background

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.

SDS-PAGE



Bio activity



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