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## Datasheet for ABIN7320554 IL1RL1 Protein (Fc Tag)

### Overview

Quantity:	50 µg
Target:	IL1RL1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1RL1 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Mouse IL1RL1/ST2 Protein (Fc Tag) (Active)
Sequence:	Ser27-Ala337
Characteristics:	Recombinant Mouse Interleukin-1 receptor-like 1 is produced by our Mammalian expression system and the target gene encoding Ser27-Ala337 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse IL-33(Cat: PKSM041090) at 5µg/ml(100 µl/well) can bind Mouse ST2-Fc. The ED50 of Mouse ST2-Fc is 5ug/ml .

### Target Details

Target:	IL1RL1
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## Target Details

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Alternative Name: IL1RL1/ST2 ([IL1RL1 Products](#))

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Background: Background: ST2, also called IL-1 R4, is an Interleukin-1 receptor family glycoprotein 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.

Synonym: 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

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Molecular Weight: 62.7 kDa

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.