

## Datasheet for ABIN7317320 IL1RL1 Protein (His tag)



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### Overview

Quantity:	100 µg
Target:	IL1RL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1RL1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IL1RL1/ST2 Protein (isoform a, His Tag)(Active)
Sequence:	Met 1-Ser 328
Characteristics:	A DNA sequence encoding the human IL1RL1 isoform A (NP_057316.3) (Met 1-Ser 328) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.2. Immobilized recombinant human IL33 at 10 µg/mL (100 µl/well) can bind biotinylated human IL1RL1 (isoform A) with a linear range of 0.032-8 µg/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: IL-1 receptor–like 1 (IL1RL1) is a membrane receptor involved in TH2 inflammatory responses and eosinophilia. It has previously been described that levels of the interleukin-1 like 1 (IL1RL1) protein can be used to diagnose cardiovascular disease and determine the prognosis for a patient with cardiovascular disease. The ligand for IL1RL1 has been described, and named IL-33. Mutants in IL1RL1 have been associated with blood eosinophil counts in a genome-wide association study and with asthma in family-based and case-control studies. As an important mediator involved in many immune and inflammatory responses, this cytokine has been implicated as a regulator of both the development and effector phases of type 2 helper T cell responses, and as a negative feedback modulator of macrophage pro-inflammatory function. IL33 is a specific ligand of ST2L and induces production of Th2 cytokines.

Synonym: DER4;FIT-1;IL1RL1;IL33R;IL-1 R4;ST2;ST2L;ST2V;T1

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Molecular Weight: 36.3 kDa

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NCBI Accession: [NP\\_057316](#)

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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 sterile 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.