

Datasheet for ABIN7318037 **IL1RL1 Protein**



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Overview

Quantity:	100 µg
Target:	IL1RL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human IL1RL1/ST2 Protein
Sequence:	Met 1-Phe 328
Characteristics:	The secreted isoform of human IL1RL1 (NP_003847.2) (Met 1-Phe 328) with five amino acids (DDDDK) at the C-terminus was expressed and purified.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL1RL1
Alternative Name:	IL1RL1/ST2 (IL1RL1 Products)
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

Target Details

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

Molecular Weight: 35.6 kDa

NCBI Accession: [NP_003847](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

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.