

Recombinant Mouse IL1RL1 Protein

Catalog No.: RP01673 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17082	P14719

Tags

C-hFc

Synonyms

T1; St2; DER4; Ly84; ST2L; Fit-1; T1/ST2; St2-rs1□IL1RL1

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 proinflammatory function. IL33 is a specific ligand of ST2L and induces the production of Th2 cytokines.

Basic Information

Description

Recombinant Mouse IL1RL1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser27-Ala332) of mouse IL1RL1 (Accession #NP_001020773.1) fused with and a hFc tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

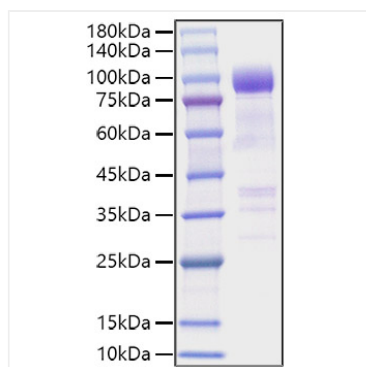
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Validation Data



Recombinant Mouse IL1RL1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 93.2 kDa.