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Datasheet for ABIN7535854 IL1RL1 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Mouse IL-1RL1/ST2 Protein
Sequence:	SKSSWGLENE ALIVRCPQRG RSTYPVEWYY SDTNESIPTQ KRNRI FVSRD RLKFLPARVE DSGIYACVIR SPNLNKTGYL NVTIHKKPPS CNIPDYLMYS TVRGSDKNFK ITCPTIDLYN WTAPVQWFKN CKALQEPRFR AHRSYLFIDN VTHDDEGDYT CQFTHAENGT NYIVTATRSF TVEEKGFMSF PVITNPPYNH TMEVEIGKPA SIACSACFGK GSHFLADV LW QINKTVVGNF GEARIQEEEG RNESSNDMD CLTSVLRITG VTEKDLSLEY DCLALNLHGM IRHTIRLRRK QPIDHR
Specificity:	Ser27-Arg332
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	IL1RL1
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Target Details

Alternative Name:	IL-1RL1/ST2 (IL1RL1 Products)
Background:	<p>Description: 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.</p> <p>Name: DER4 ,FIT-1 ,IL1RL1 ,IL33R ,IL?1?R4 ,ST2 ,ST2L ,ST2V ,T1,IL1RL1</p>
Gene ID:	17082
UniProt:	P14719

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	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.