

Datasheet for ABIN6938888

**IL-33 Protein (AA 109-270) (His tag)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	IL-33 (IL33)
Protein Characteristics:	AA 109-270
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-33 protein is labelled with His tag.

## Product Details

Sequence:	AA 109-270
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 ( <a href="#">IL33 Products</a> )
Background:	Interleukin 33 (IL33) is known as C9orf26, DKFZp586H0523, DVS27, NF-HEV, NFEHEV, RP11-575C20.2, and is a cytokine belonging to the IL-1 superfamily. IL-33 induces helper T cells, mast cells, eosinophils and basophils to produce type 2 cytokines. IL-33 mediates its biological effects by interacting with the receptors ST2 (aka IL1RL1) and IL-1 Receptor Accessory Protein

## Target Details

(IL1RAP), activating intracellular molecules in the NF- $\kappa$ B and MAP kinase signaling pathways that drive production of type 2 cytokines (e.g. IL-5 and IL-13) from polarized Th2 cells. In vivo, IL-33 induces the expression of IL-4, IL-5, and IL-13 and leads to severe pathological changes in mucosal organs.

Molecular Weight: 20.2 kDa

Pathways: [Production of Molecular Mediator of Immune Response](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

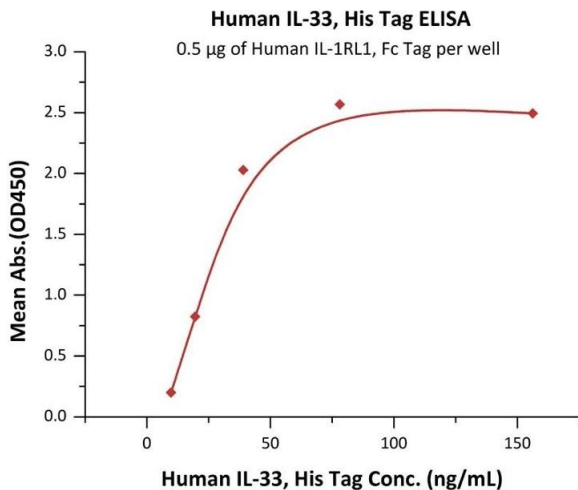
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

## Publications

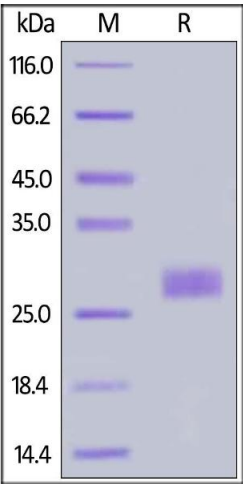
Product cited in: Wu, Li, Xia, Tian, Kong, Wang, Gu, Zhang, Tu, Xie, Yang, Lu, Jiang, Ying: "Identification of Human Single-Domain Antibodies against SARS-CoV-2." in: **Cell host & microbe**, (2020) ([PubMed](#)).

## Images



### ELISA

**Image 1.** Immobilized Human IL-1RL1, Fc Tag (ABIN2181368, ABIN2181367) at 5  $\mu$ g/mL (100  $\mu$ L/well) can bind Human IL-33, His Tag (ABIN6923158, ABIN6938888) with a linear range of 5-20 ng/mL (QC tested).



SDS-PAGE

**Image 2.** Human IL-33, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .