

Datasheet for ABIN7274939  
**IL-33 Protein (AA 112-270)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	IL-33 (IL33)
Protein Characteristics:	AA 112-270
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Purpose:	Human IL-33 Protein
Sequence:	Ser112-Thr270
Characteristics:	Recombinant Human IL-33 Protein is expressed from E.coli without tag.It contains Ser112-Thr270.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-33, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human IL-1RL1, His Tag with the EC50 of 3ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	IL-33 (IL33)
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## Target Details

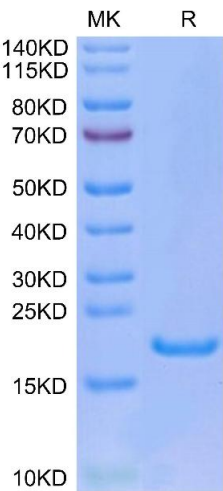
Alternative Name:	IL-33 ( <a href="#">IL33 Products</a> )
Background:	Interleukin-33 (IL-33) is a cytokine belonging to the IL-1 family, playing a role in inflammatory, infectious and autoimmune diseases and expressed in the cellular nucleus in several tissues. High levels of IL-33 are expressed in epithelial barrier tissues and endothelial barriers. ST2 is a receptor for IL-33, expressed selectively on a subset of Th2 cells, mediating some of their functions.
Molecular Weight:	18 kDa same as Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_254274</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

Restrictions:	For Research Use only
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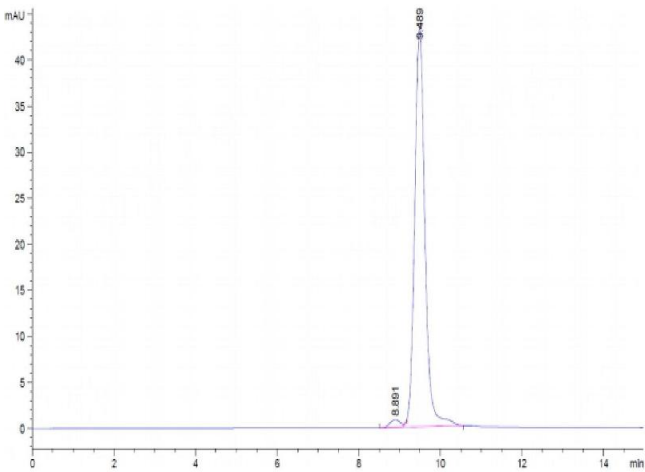
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

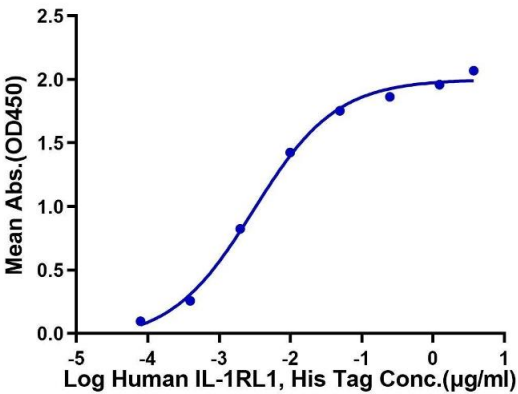
**Image 1.** Human IL-33 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human IL-33 is greater than 95 % as determined by SEC-HPLC.

**Human IL-33, No Tag ELISA**  
0.2µg Human IL-33, No Tag Per Well



ELISA

**Image 3.** Immobilized Human IL-33, No Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-1RL1, His Tag with the EC50 of 3 ng/mL determined by ELISA.