

RP00019

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# Recombinant Human IL-33 Protein

Catalog No.: RP00019

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	90865	O95760

### Tags

No tag

### Synonyms

IL33;C9orf26;DVS27;IL1F11;NF-HEV;NFEHEV

## Product Information

### Source

<i>E. coli</i>

### Purification

> 97% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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

Interleukin 33 (IL-33), also known as DVS27 or NF-HEV (Nuclear Factor from High Endothelial venules), is a proinflammatory protein and a chromatin-associated cytokine of the IL-1 family with high sequence and structural similarity to IL-1 and IL-18. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells.

## Basic Information

### Description

Recombinant Human IL-33 Protein is produced by <i>E. coli</i> expression system. The target protein is expressed with sequence (Ser112-Thr270) of human IL-33 (Accession #NP\_001300973.1).

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL33 at 10 μg/mL (100 μL/well) can bind Recombinant human IL1RL1 with a linear range of 37.8-151.4 ng/mL.

### Storage

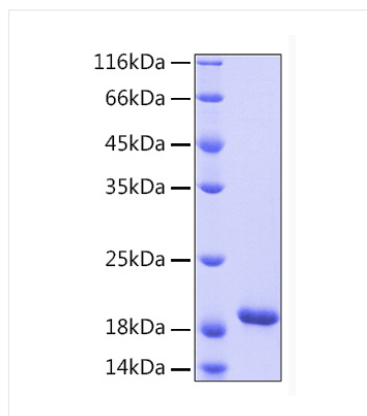
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

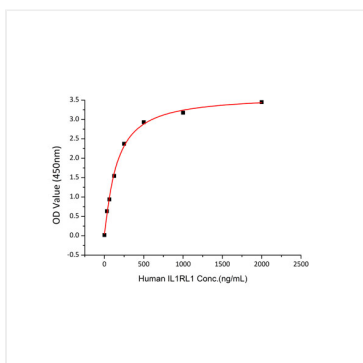


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## Validation Data



Recombinant Human IL-33 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 19 kDa.



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