

# Recombinant Mouse IL-33 Protein

Catalog No.: RP00618 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	77125	Q8BVZ5

### Tags

No tag

### Synonyms

Il33; Il1f11; NF-HEV;  
9230117N10Rik;IL-33

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Calculated MW	Observed MW
17.6 kDa	18 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μM filtered solution of 20mM PB,150mM NaCl,pH7.4Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube 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.

## Contact

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## Background

Mouse Interleukin 33 (IL-33) is a proinflammatory cytokine which may also regulates gene transcription in producer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL1. Binding IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces the expression of IL-4, IL-5, IL-13 and also leads to severe pathological changes in mucosal organs.

## Basic Information

### Description

Recombinant Mouse IL-33 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser109-Ile266) of mouse IL-33 (Accession #Q8BVZ5) fused with an initial Met at the N-terminus.

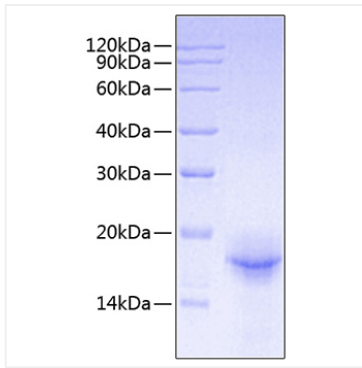
### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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.

## Validation Data

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Recombinant Mouse IL-33 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.