

# Recombinant Mouse IL-33 Protein

Catalog No.: RP01802 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	77125	Q8BVZ5

### Tags

C-His

### Synonyms

Il-33; Il1f11; NF-HEV;  
9230117N10Rik□IL33

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
18.41 kDa	20-35 kDa

### Endotoxin

< 0.1 EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### 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.

## 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 HEK293 cells expression system. The target protein is expressed with sequence (Ser109-Ile266) of mouse IL33 (Accession #NP\_598536.2) fused with and a 6×His tag at the C-terminus.

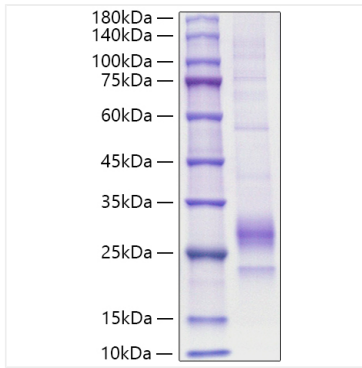
### Bio-Activity

#### 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 with Coomassie Blue, showing a band at 20-35 kDa.