# **Recombinant Mouse IL-33 Protein**

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Catalog No.: RP01802 Recombinant

# **Sequence Information**

**Species Gene ID Swiss Prot**Mouse 77125 Q8BVZ5

**Tags** C-His

**Synonyms** 

II-33; II1f11; NF-HEV; 9230117N10Rik∏IL33

# **Product Information**

**Source** Purification HEK293 cells ≥ 85 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

18.41 kDa 20-35 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

## **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 stablizer (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 inproducer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines andacts through the receptor IL1RL-1. BindingIL-33 to this receptor activates NF-kappa-B and MAP kinases andinduces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces the expression of IL-4, IL-5, IL-13 and alsoleads 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  $6 \times \text{His}$  tag at the C-terminus.

### **Bio-Activity**

## **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

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

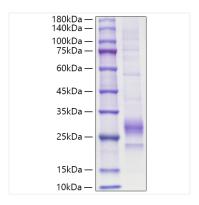
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



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