

Recombinant Mouse IL-33 Protein

Catalog No.: RP00618

Sequence Information

Species **Gene ID**
Mouse 77125

Swiss Prot **Tags**
Q8BVZ5 No tag

Synonyms

IL33, IL1f11, NF-HEV,
9230117N10Rik, IL-33

Product Information

Source **Purification**
E. coli ≥ 95 % as
determined 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,
pH7.4. Contact 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.

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 IL1RL-1. Binding of IL-33 to this receptor activates NF-κappa-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.

Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED₅₀ for this effect is 0.0745-0.298 ng/mL, corresponding to a specific activity of 3.36×10⁶~1.34×10⁷ units/mg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

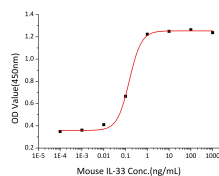
Contact

☎ | 400-999-6126

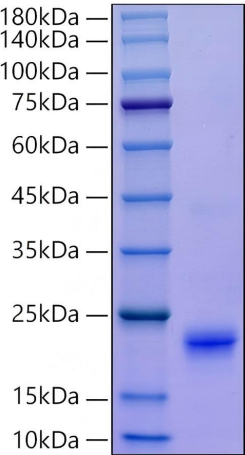
✉ | cn.market@abclonal.com.cn

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Validation Data



Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED_{50} for this effect is 0.0745–0.298 ng/mL, corresponding to a specific activity of 3.36×10^6 ~ 1.34×10^7 units/mg.



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