

Cynomolgus IL-33 Protein

Catalog Number: 90912-CNAE



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

IL-33

Protein Construction:

A DNA sequence encoding the cynomolgus IL33 (XP_005581824.1) (Ser112-Ile270) was expressed with an initial Met.

Source: Cynomolgus

Expression Host: E. coli

QC Testing

Purity: > 85 % as determined by SDS-PAGE.

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant cynomolgus IL33 consists of 160 amino acids and predicts a molecular mass of 18.1 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

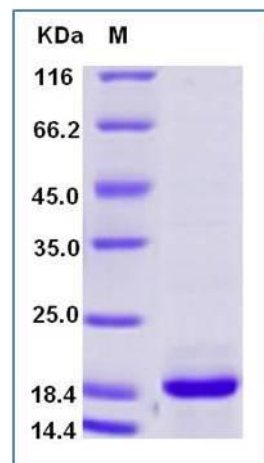
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Interleukin 33 (IL-33), also known as DVS27 or NF-HEV (Nuclear Factor from High Endothelial enules), 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. IL-33 protein is expressed highly and rather selectively by high endothelial venule endothelial cells (HEVECs) in human tonsils, Peyer's patches, and lymph nodes. IL-33 protein has transcriptional regulatory properties, and the researches suggested that IL-33 is a dual-function protein that might act both as a cytokine and as an intracellular nuclear factor. As a type 2 cytokines, IL-33 protein also play a pivotal role in helminthic infection and allergic disorders.

References

1. Iikura M, et al. (2007) IL-33 can promote survival, adhesion and cytokine production in human mast cells. *Lab Invest.* 87(10): 971-8.
2. Lamkanfi M, et al. (2009) IL-33 raises alarm. *Immunity.* 31(1): 5-7.

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For US Customer: Fax: 267-657-0217

● **Tel: 215-583-7898**

Global Customer: Fax :+86-10-5862-8288

● **Tel:+86-400-890-9989** ●

<http://www.sinobiological.com>