

Mouse IL-33, His Tag, E. coli

Catalog Number	LDG055PME
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce proliferation in D10.G4.1 cells. The ED₅₀ for this effect is <40 pg/mL. The specific activity of recombinant mouse IL-33 is > 2 x 10⁷ IU/mg.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 18.51 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

Tainan Headquarters

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Background

Interleukin 33 (IL-33) is a 17.65 kDa cytokine with 159 amino acid residues. IL-33 is a member of the IL-1 family and secreted from various cell types, such as mast cells, macrophages, endothelial cells, and epithelial cells. IL-33 activates NF- κ B and MAPK signaling pathways that stimulate the secretion of type 2 cytokines like IL-5 and IL-13 when IL-33 binds to the ST2 receptor primarily expressed in mast cells and Th2 cells. In addition to Th type 2 responses, IL-33 participates in maintaining barrier tissue defense.

Uniprot ID

#Q8BVZ5

Synonyms

Interleukin-33, IL-33

Sequence Note

Ser109-Ile266

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

Tainan Headquarters

+886-6-2536677

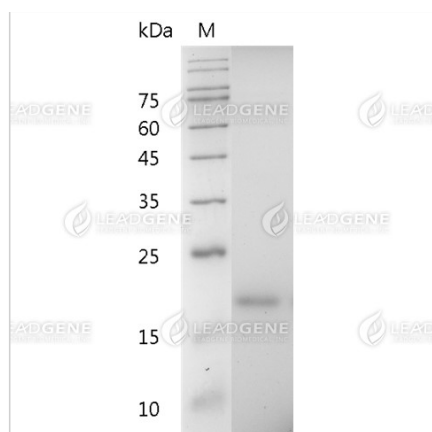
✉ bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677



SDS-PAGE analysis of recombinant mouse IL-33.

Disclaimer : For Research Use or Further Manufacturing Only.