



Recombinant mouse IL-33

Mouse interleukin 33

Catalog # KPG-ReMIL33

IL-33 is a pleiotropic alarmin cytokine predominantly expressed by epithelial cells, endothelial cells, and tissue-resident macrophages. It functions as both a pro-inflammatory mediator and a nuclear transcriptional regulator, playing a critical role in initiating type 2 immune responses against helminth infections and in the pathogenesis of allergic and fibrotic diseases. The mature form of the cytokine has a molecular mass of approximately 17.5 kilodaltons. Recombinant mouse IL-33 is suitable for use in a broad range of in vivo and in vitro experimental settings. It is produced in E. coli BL21(DE3) cells transformed with a plasmid construct (pET-derived vector) harboring the coding sequence for the mature mouse IL-33 protein.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant mouse IL-33

Storage and stability:

- Recombinant mouse IL-33 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant mouse IL-33 and store at -20°C for 12 months.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/μg as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μm filter.
- Expression system: E. coli BL21 strain
- Accession: P20109
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 17.5 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 17.5 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant mouse IL-33 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

Recombinant Human TNF-α
Recombinant Human IL-1β
Recombinant Human IL-2
Recombinant Human IL-4
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-12
Recombinant Human IL-17A
Recombinant Human IL-18
Recombinant Human IL-29
Recombinant Human IFN-γ
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Recombinant Human CCL21
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