

## Recombinant Mouse Interleukin-33 (Il33), N-GST

Cat. No.: AP4C880

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Mouse Interleukin-33 (Il33), N-GST is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 43.1 kDa. The purity is > 95%.

### Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	43.1 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

### Target Information

Mouse Interleukin-33 (Il33) is a cytokine belonging to the IL-1 family, primarily acting as an alarmin that alerts the immune system to tissue damage. It is expressed in various tissues, including the lung, brain, and gut, and is highly abundant in endothelial cells and epithelial cells. Il33 signals through its receptor complex composed of ST2 and IL-1RAP, activating the NF-κB and MAPK signaling pathways. This cytokine induces Th2-associated cytokines such as IL-4, IL-5, and IL-13, promoting allergic inflammation and host defense against microbial and viral infections.

Protein	Mouse Interleukin-33 (Il33)
Protein Synonym	IL-33; Interleukin-33
Gene ID	<a href="#">77125</a>
EC No.	<a href="#">Q8BVZ5</a>

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.