

Human IL-33, His Tag, E. coli

Catalog Number	LDG037PHE
Package	5 µg / 20 µg / 100 µg / Customized package

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



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to binding with recombinant ST2L (IL-33 receptor). The ED50 for this effect is <54 ng/mL. Activity analysis of recombinant Human IL-33, His Tag, E. coli.

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 18.93 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

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

Background

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Background

Interleukin 33 (IL-33) is an 18 kDa cytokine with 169 amino acid residues. Interleukin-33 is a member of the IL-1 cytokine family and is primarily expressed in endothelial cells, epithelial cells, fibroblasts, and mesenchymal cells. When IL-33 binds to its receptor, ST2L, it activates mast cells and innate lymphoid cells and subsequently generates IL-5 and IL-13, which play essential roles in allergic inflammation. IL-33 also acts as an alarm by alerting the immune system of cellular damage and plays a critical role in type-2 innate immunity.

Uniprot ID

#O95760

Synonyms

Interleukin-1 family member 11, IL-1F11, Nuclear factor from high endothelial venules, NF-HEV, Interleukin-33

Sequence Note

Ser112-Thr270

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 µg/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

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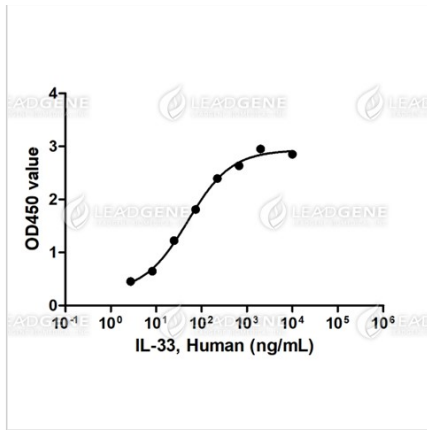
✉ bd@leadgene.com.tw

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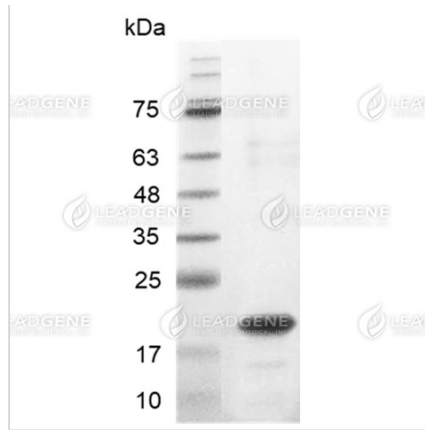
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SDS-PAGE analysis of recombinant human IL-33.

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