

# Product Datasheet

## Recombinant Mouse IL-33 Protein NBP2-35124-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 1

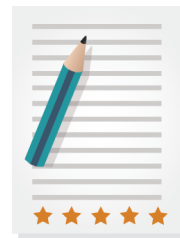
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**NBP2-35124-100ug**

Recombinant Mouse IL-33 Protein

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, and 1 mM EDTA.
Target Molecular Weight	17.5 kDa

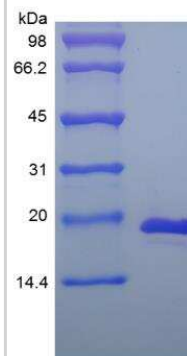
Product Description	
Description	A protein containing 158 amino acid residues corresponding to IL-33 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> Q8BVZ5  <b>Amino Acid Sequence:</b> SIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQDQVLL RYYESPCPAS QSGDGVGK LMVNMSPIKD TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKSSDFVS FECKNLPGTY IGVKDNQLAL VEEKDESCNN IMFKLSKI
Gene ID	90865
Gene Symbol	IL33
Species	Mouse
Details of Functionality	IL33 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>6</sup> IU/mg.
Endotoxin Note	Less than 1 EU/ug of IL-33 as determined by LAL method.

Product Application Details	
Applications	Flow Cytometry, SDS-Page, Bioactivity
Recommended Dilutions	Flow Cytometry, SDS-Page, Bioactivity
Application Notes	Use in Flow reported in scientific literature (PMID:35874724).



## Images

SDS-Page: Mouse IL-33 Protein [NBP2-35124]



## Publications

Xie M, Zhang M, Dai M et al. IL-18/IL-18R Signaling Is Dispensable for ILC Development But Constrains the Growth of ILCP/ILCs *Frontiers in immunology* 2022-07-08 [PMID: 35874724] (FLOW, Mouse)



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### **Products Related to NBP2-35124-100ug**

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NBP2-35248-10ug	Recombinant Rat IL-33 Protein
210-TA-005	TNF-alpha [Unconjugated]
AF3626	IL-33 Antibody [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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