

# Recombinant Murine Interleukin-33

Catalog No: #AP60166

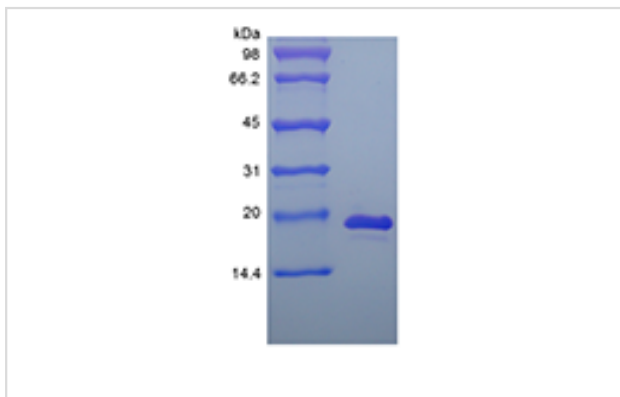
Package Size: #AP60166-1 10ug #AP60166-2 100ug #AP60166-3 500ug

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## Description

Product Name	Recombinant Murine Interleukin-33
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Other Names	IL-1F11, NF-HEV
Calculated MW	Approximately 17.5 kDa protein containing 158 amino acid residues.
Target Sequence	SIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQQVLL RYYESPCPAS QSGDGVDGKK LMVNMSPIKD TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKKSSDFVS FECKNLPPTY IGVKDNQLAL VEEKDESCNN IMFKLSKI
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS, and 1 mM EDTA.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Images



## Background

IL-33 is a member of the IL-1 superfamily, secreted by high endothelial venules at high levels, which is found in tonsils, Peyer patches and mesenteric lymph nodes, but not in placenta. It elicits its biological effects by interacting with IL1RL1/ST2 and its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities. Mature IL-33 share approximately 55 % and 90 % a.a. sequence identity with human and rat IL-33 respectively.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.