

II33

Recombinant Mouse Interleukin-33 Animal Free

Catalog No.	CSI20129A-AF CSI20129B-AF CSI20129C-AF	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-33, NP-HEV, IL-1F11, DVS27-related protein, interleukin-1 family member 11, nuclear factor from high endothelial venules		
Description:	Recombinant Mouse IL-33 contains 159 amino acid residues. Background: Interleukin-33 is a proinflammatory protein that shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor activating NF-kappaB and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities.		
Gene ID:	77125		
UniProtKB:	Q8BVZ5		
Source:	<i>E. coli</i> , produced in the absence of materials with animal or human origin.		
Molecular Weight:	Approximately 17.7 kDa protein containing 159 amino acid residues.		
Formulation:	Lyophilized from a 0.2 µm filtered solution of 10 mM sodium phosphate, pH 7.5.		
Purity:	≥ 90% by Reducing and Non-Reducing SDS-PAGE		
Endotoxin Level:	≤ 1EU/µg of rIL-33 as determined by Kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 2 ng/ml, determined by a cell proliferation assay using murine D10S cells		
Specific Activity:	≥ 5 x 10 ⁵ units/mg		
Amino Acid Sequence:	MSIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQQVLL RYYESPCPAS QSGDGVGK LNMVNSPIKD TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKKSSDFVS FECKNLPPTY IGVKDNQLAL VEEKDESCNN IMFKLSKI		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions, containing a carrier protein such as 0.1% BSA.		



Storage & Stability:

This lyophilized preparation is stable at 2-8°C for shipping purposes, and stable at -20°C to -80°C for 1 year. Upon reconstitution, the preparation is stable for up to 1 month at 2-8°C, 3 months at -20°C to -80°C. For maximal stability, prepare working aliquots and store at -20°C to -80°C.

Avoid repeated freeze/thaw cycles.

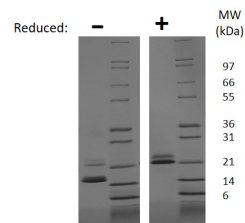
SDS-PAGE**Mouse IL-33 Gel**

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-33 is predicted to have a MW of 17.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

