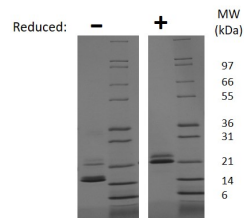


IL33

## Recombinant Mouse Interleukin-33 Animal Free

<b>Catalog No.</b>	CSI20129A-AF CSI20129B-AF CSI20129C-AF	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	IL-33, NP-HEV, IL-1F11, DVS27-related protein, interleukin-1 family member 11, nuclear factor from high endothelial venules		
<b>Description:</b>	Interleukin 33 (IL-33) is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle and airway epithelial cells. IL-33 signals through the interleukin 1 receptor-like 1 (IL-1R1) and interleukin-1 receptor accessory protein (IL1RAP) receptors to activate NF-κB and MAPK signaling pathways. IL-33 functions to induce type 2 cytokine production in polarized Type 2 helper T (Th2) cells.		
<b>Gene ID:</b>	77125		
<b>UniProt ID:</b>	Q8BVZ5		
<b>Source:</b>	<i>E. coli</i> <b>Manufactured without Animal-derived products, in an Animal Free facility.</b>		
<b>Molecular Weight:</b>	17.7 kDa (159 aa)		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution of 10 mM sodium phosphate, pH 7.5.		
<b>Purity:</b>	≥ 90% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1EU/µg by kinetic LAL		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 2 ng/ml, determined by proliferation of murine D10S cells.		
<b>Specific Activity:</b>	≥ 5 x 10 <sup>5</sup> units/mg		
<b>Amino Acid Sequence:</b>	MSIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQQDQVLL RYYESPCPAS QSGDGVGKK LMVNMSPKID TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKSSDFVS FECKNLPPTY IGVDKNQLAL VEEKDESCNN IMFKLSKI		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze/thaw cycles.</b>		



#### 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.**



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