

## 32-20443: Recombinant Human IL-33(Discontinued)

**Reactivity :** Human, Mouse

**Alternative Name :** Interleukin-33, IL-1 F11, NF-HEV

### Description

**Source:** **E.coli** Human IL-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, to activate NF- $\kappa$ B 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. Recombinant Human IL-33 is a 17.9 kDa protein containing 159 amino acid residues.

### Product Info

**Amount :** 2  $\mu$ g / 10  $\mu$ g

**Purification :** Purity:  $\geq$  98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** SITGISPITE YLASLSTYND QSITFALEDE SYEIYVEDLK KDEKKDKVLL SYYESQHPSN ESGDGVGDKM  
LMVTLSPTKD FWLHANNKEH SVELHKCEKP LPDQAFFVLH NMHSNCVSFE CKTDPGVFIG VKDNHLALIK  
VDSSENLCCTE NILFKLSET

### Application Note

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is  $\leq 0.05$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^7$  units/mg.