

## 32-20386: Animal-Free Recombinant Human IL-33(Discontinued)

**Reactivity :** Human

**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  
VDSSENLCTE NILFKLSET

### Application Note

Determined by its ability to stimulate the proliferation of mouse D10S cells. The expected ED<sub>50</sub> is  $\leq$ 0.05 ng/ml, corresponding to a specific activity of  $\geq$  2 x 10<sup>7</sup> units/mg.