

## 32-190050: IL-33 (human) (Recombinant) (untagged)

**Application :** Functional Assay  
**Reactivity :** Human  
**Alternative Name :** Interleukin-33; IL-1F11; NF-HEV

### Description

Source :E. coli

Specific Binds to human and mouse ST2. Interleukin-33 (IL-33; HF-NEV; IL-1F11), a member of the IL-1 family of cytokines, is expressed by many cell types following pro-inflammatory stimulation and is thought to be released upon cell lysis. IL33 binds to and signals through ST2 (IL1R1) and its stimulation recruits MYD88, IRAK, IRAK4, and TRAF6, followed by phosphorylation of ERK1(MAPK3)/ERK2(MAPK1), p38(MAPK14), and JNK. The ability of IL-33 to target numerous immune cell types, like Th2-like cells, mast cells, and B1 cells, and to induce cytokine and chemokine production underlines its potential in influencing the outcome of a wide range of diseases, such as arthritis, asthma, atopic allergy & anaphylaxis, cardiovascular disease/atherosclerosis, nervous system diseases, and sepsis.

### Product Info

**Amount :** 10 µg  
**Purification :** ≥95% (SDS-PAGE)  
**Content :** Reconstitute with 100µl sterile water. 0.1mg/ml after reconstitution.  
Lyophilized. Contains PBS.  
**Storage condition :** Short Term Storage +4°C ; Long Term Storage -20°C ; After reconstitution, prepare aliquots and store at -20°C.  
Avoid freeze/thaw cycles.  
PBS containing at least 0.1% BSA should be used for further dilutions. Stable for at least 6 months after receipt when stored at -20°C.  
Working aliquots are stable for up to 3 months when stored at -20°C.  
**Amino Acid :** Human IL-33 (aa 112-270) is untagged.

### Application Note

MW :~18kDa

Biological Activity: Activates human and mouse ST2-dependent NF-κB pathway.

Endotoxin Content <0.01EU/µg purified protein (LAL test; Lonza).