

## Recombinant Mouse Interleukin-33 (IL-33)

**CATALOG #:** 4194-10 10 µg  
4194-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >97% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of IL-33.

**FORMULATION:** Sterile filtered and lyophilized from 20 mM phosphate buffer, pH 7.4, 150 mM NaCl, 1 mM EDTA and 2 mM 2-ME.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized human IL-33 should be stored desiccated below -18 °C. After reconstitution IL-33 should be stored at 4 °C for 2-7 days and for future use store working aliquots at -20°C.

### DESCRIPTION:

Recombinant mouse IL-33 produced from *E. coli* is a single, non-glycosylated, polypeptide chain consisting of 158 amino acids and having a total molecular mass of 17.5 kDa.

### AMINO ACID SEQUENCE:

SIQGTSLLTQSPASLSTYNDQSVSFVLENGCYVINVDDSGKDQEQDQVLLRYYESSPCPASQSG  
DGVDGKLLM/NMSPKDDTIWLHANDKDYSVELQRGDVSPPEQAFFVLHKKSSDFVSFECKNLP  
GTYIGVKDNQLALVEEKDESCNNIMFKLSKI

### BIOLOGICAL ACTIVITY:

The ED50 as determined by the dose-dependent stimulation of the proliferation of murine D10S cells is 0.5 ng/ml, corresponding to a specific activity of  $2 \times 10^6$  units/mg.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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